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Author: Andrew J. Warren Writer's Direct Line: (312) 222-5795 Email: ajwarren@mbf-law.com

April 24, 2002

VIA FEDERAL EXPRESS

Ms. Carol Ropski U.S. Environmental Protection Agency Emergency Enforcement & Support Section, SE-SJ 77 West Jackson Boulevard Chicago, IL 60604-3590

Re: Downers Grove Groundwater Site (the "Site")

Information Request, dated March 29, 2002

Dear Ms. Ropski:

We represent Flexible Steel Lacing Company ("Flexco") in connection with the Information Request issued to Flexco by U.S. EPA on March 29, 2002. Enclosed is Flexco's response to the Information Request. Please direct any further communication regarding the Information Request or the Site to the undersigned.

If you have any questions regarding Flexco's response, please call.

Sincerely,

MICHAEL BEST & FRIEDRICH LLC

Andrew J. Warren

AJW:mmr:cmu Enclosure

cc:

Flexible Steel Lacing Company

Alan I. Greene

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Response of Flexible Steel Lacing Company ("Flexco") to U.S. Environmental Protection Agency ("EPA") Request for Information, dated March 29, 2002

Request 1. Identify all persons consulted in the preparation of the answers to these Information Requests.

Response.

Curtis A. J. Albrecht Industrial Engineer

David Drabek Engineering Manager, Special Projects

Vincent J. Korbal Maintenance Technical Specialist

Business Address for the above-named individuals:

Flexible Steel Lacing Company 2525 Wisconsin Avenue Downers Grove, Illinois 60515 630/971-0150

Request 2. Identify all documents consulted, examined, or referred to in the preparation of the answers to these Requests, and provide copies of all such documents.

Response.

"See documents attached to subsequent responses.

Request 3. If you have reason to believe that there may be persons able to provide a more detailed or complete response to any Information Request or who may be able to provide additional responsive documents, identify such persons.

Response.

Ralph W. Amann (Vice President Materials—Retired) N6568 Shorewood Hills Road Lake Mills, Wisconsin 53551

Donald L. Julen (Vice President Manufacturing—Retired) 399 Quarry Bolingbrook, Illinois 60440 Request 4. Have you conducted any Phase I or Phase II investigations at your property? If so, please send copies of all reports including the analytical data.

Response.

No.

Request 5. Are there any monitoring wells on your property? If so, provide a map and the analytical results related to the samples that were collected. Identify the entity that installed the monitoring wells and the date(s) of the well installation.

Response.

No.

Request 6. Have any soil borings been collected on your property? If so, send a map and analytical results related to the borings that were collected. Identify the entity that performed the soil borings and the date(s) in which they were taken.

Response.

In connection with the initial construction and subsequent phases of expansion that have occurred at the Facility since 1966, Flexco has performed geotechnical testing of soils for construction purposes. The testing did not include any analysis of chemical parameters. See attached Document Nos. 12-001 to 12-019 (1967 construction), 12-020 to 12-024 (1970 expansion), 12-025 to 12-027 (1972 lawn installation), and 12-028 to 12-068 (1982 expansion).

Request.7. Have there ever been above ground or below ground storage tanks at your facility? If so, provide maps of the locations of the tanks. What was stored in each tank? If the tanks have been removed or replaced provide the date(s) of their removal or replacement. Provide copies of any analytical results of the contents of the tanks and analytical results of any samples taken of the soil surrounding or below the tanks.

Response.

There have never been any underground storage tanks at the Facility. From 1977 to 1992, Flexco utilized a 250-gallen-capacity above-ground storage tank for storage of virgin trichlorethylene used in the vapor degreaser (discussed below). The storage tank was located inside the Facility adjacent to the vapor degreaser, as shown on Document No. 08-001 attached hereto (former location of solvent holding tank shown in southwest portion of the building). The tank was located within a 1.5 to 2.0 foot high concrete bermed area and was underlain by the concrete floor of the Facility. The tank was plumbed with hard piping to the vapor degreaser. It was removed in 1992 when the

vapor degreaser was decommissioned. Flexco has no analytical results of the tank contents or the concrete below the tank.

Request 8. Describe your company's solvent management system (including the locations of your product and waste holding tanks, drums and containers) at your facility prior to 1980.

Response.

From 1968 to 1992, Flexco operated a vapor degreaser to remove excess oil from bolts and nuts prior to entering the heat treat furnace. Trichlorethylene was used as the solvent in the unit, which removed oil from metal products suspended in the solvent vapor. The degreaser was installed in a concrete-lined pit (with no floor drain) which aided employee access to the unit. The degreaser was serviced by Baron Blakeslee, which delivered virgin solvent, retrieved spent solvent, and provided a storage tank for the solvent. As originally configured, virgin solvent was stored in drums next to the degreaser.

In 1977, the original unit was replaced by a new degreaser (also stored in the same concrete-lined pit), and Baron Blakeslee provided Flexco with a bulk storage tank (capacity of 250 gallons) for storage of the virgin trichlorethylene. The storage tank was located on the concrete floor near the degreaser. Flexco constructed a 1.5 to 2 foot high concrete berm around the storage tank to contain any potential spills from the tank. There was never a spill. The storage tank was plumbed with hard piping into the vapor degreaser.

Prior to 1977, spent trichlorethylene was stored in 55-gallon drums in the heat treat work area. The drums were filled, sealed and stored for recycling. Baron Blakeslee removed the drums when the virgin solvent was delivered to Flexco.

During its period of operation, Flexco used approximately five (5) drums per month of solvent in the vapor degreaser. In 1982, Baron Blakeslee installed a "cold trap solvent saver," which greatly reduced the volume of solvents used by Flexco. After installation of that component, Flexco's solvent use dropped to approximately four (4) drums per quarter, which Baron Blakeslee continued to remove.

In 1992, Flexco discontinued use of the vapor degreaser. Baron Blakeslee dismantled and removed its equipment, and all remaining spent solvents were manifested and disposed of off-site. Approximately a year or so later, the remaining vapor degreaser equipment was sold to a company in Wisconsin, which stated it was going to use the degreaser as a parts washer. The former location of the unit was cleaned and filled with concrete. As part of a subsequent remodeling, the area now is used as office space. During its entire period of operation, Flexco never experienced any spills or releases of hazardous substances in connection with its use of the vapor degreaser.

Request 9. Describe your company's waste solvent handling and disposal practices prior to 1980.

Response.

See response to Request 8 above.

Request 10. Provide the names of your solvent suppliers, years of service, and quantities of solvents received since you have been at this location.

Response.

From 1968 to 1992, Flexco purchased trichlorethylene from Baron Blakeslee for use in its vapor degreaser. Pursuant to Flexco's document retention practice, records prior to 1998 have generally not been maintained. See response to Request 8 above for quantity estimates of solvents used in the vapor degreaser.

Request 11. Provide the names of your waste solvent handlers, years of service, and quantities of waste shipped since you have been in service at this location.

Response.

From 1968 to 1992, Baron Blakeslee handled the trichlorethylene used in Flexco's vapor degreaser. Pursuant to Flexco's document retention practice, records prior to 1998 have generally not been maintained; however, hazardous waste manifests for disposal of spent trichlorethylene by Baron Blakeslee at off-site licensed facilities are attached hereto as Document Nos. FSL-001 to FSL-065. See response to Request 8 above for quantity estimates of solvents used in the vapor degreaser.

Request 12. Provide drawings or diagrams of your sanitary and storm water sewer system at your facility.

Response.

See attached Document No. 12-001.

Request 13. Provide a copy of all correspondence between yourself and each unit of local government regarding discharges into St. Joseph Creek and the municipal sewer.

Response.

See attached Document Nos. 11-003 to 11-037, which includes reports submitted to the Downers Grove Sanitary District. Flexco has no information regarding any discharges to St. Joseph Creek.

Request 14. Describe the function of any floor drains at the facility. Provide a map of each floor drain location. Describe where the floor drains and associated piping drain to.

Response.

See attached Document Nos. 14-001 and 14-002. The site plan (14-001) shows the overall layout of the Facility's utilities. The second plan (14-002) shows the interior floor drains in more detail. All floor drains are connected to the storm sewer system. Over time, Flexco has gradually sealed many of the floor drains at the Facility.

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SOIL REPORT

PROPOSED INDUSTRIAL BUILDING WISCONSIN & KATRINE AVENUES DOWNERS GROVE, ILLINOIS

SOIL TESTING SERVICES, INC.

Soil Isting Services fore. Il-272-6520

Consulting Soil and Foundation Engineers

Chicago Phone: 273-5443 Northbrook Phone: 272-6520

COUNDATION BORINGS AND TESTING
ENGINEERING ANALYSES AND REPORTS
CONSTRUCTION QUALITY CONTROL
NSPECTION DESIGN

SOIL TESTING SERVICES, INC.

111 PFINGSTEN ROAD

NORTHBROOK, ILL. 60062

JOHN P. GNAEDINGER CLYDE N. BAKER, JR. LOUIS K. WALTER, JR.

MARCH 14, 1966

P.O. Box 284 NORTHBROOK, ILL. 60062

FLEXIBLE STEEL LACING COMPANY 4607 WEST LEXINGTON AVENUE CHICAGO, ILLINOIS

ATTENTION: MR. FRANK McComb

STS JOB No. 10222

RE: SUBSURFACE INVESTIGATION FOR A PROPOSED ONE STORY INDUSTRIAL BUILDING TO BE LOCATED BETWEEN WISCONSIN AND ELMORE AVENUES AND JUST EAST OF KATRINE AVENUE IN DOWNERS GROVE, ILLINOIS.

GENTLEMEN:

WE ARE SUBMITTING, HEREWITH, THE RESULTS OF THE SUBSURFACE INVESTIGATION AT THE ABOVE SITE. IF THERE ARE ANY QUESTIONS WITH REGARD TO THE RESULTS OR IF WE CAN BE OF FURTHER SERVICE TO YOU IN ANY WAY, PLEASE DO NOT HESITATE TO CONTACT US.

YOURS VERY TRULY,

SOIL TESTING SERVICES. INC.

SYLVIO J. POLLICI Project Engineer

CLYDE N. BAKER, JR.

REGISTERED PROFESSIONAL ENGINEER,

ILLINOIS

JOHN P. GNAEDINGER

REGISTERED STRUCTURAL ENGINEER,

ILLINOIS

SJP: CP

INTRODUCTION

THE SUBSURFACE INVESTIGATION FOR THE PROPOSED INDUSTRIAL BUILDING TO BE LOCATED BETWEEN WISCONSIN AND ELMORE AVENUES AND EAST OF KATRINE AVENUE IN DOWNERS GROVE, ILLINOIS HAS BEEN COMPLETED. A TOTAL OF FIVE SOIL BORINGS WERE PERFORMED AT THE SITE AND THE RESULTS OF THESE BORINGS ALONG WITH A BORING LOCATION DIAGRAM ARE INCLUDED IN THE APPENDIX OF THIS REPORT.

IT IS OUR UNDERSTANDING THAT THE PROPOSED STRUCTURE WILL BE ONE STORY HIGH WITHOUT BASEMENT AND ONLY RELATIVELY LIGHT STRUCTURAL LOADS ARE INVOLVED.

HOWEVER, IT IS OUR UNDERSTANDING THAT RELATIVELY HEAVY LOADS ARE ANTICIPATED

OVER THE FLOOR SLAB WHICH MAY BE AS HIGH AS 2000 POUNDS PER SQUARE FOOT OVER.

THE PURPOSE OF THIS REPORT IS TO DESCRIBE THE SOIL CONDITIONS ENCOUNTERED IN THE BORINGS, TO ANALYZE THE TEST DATA AND TO MAKE RECOMMENDATIONS REGARDING FOUNDATION TYPES AND CONSTRUCTION PROCEDURES.

SUBSURFACE INVESTIGATION PROCEDURES

THE SOIL BORINGS WERE PERFORMED WITH A JOY MODEL 12 ROTARY TYPE DRILLING RIG AND THE BORE HOLES WERE ADVANCED BY MEANS OF VARIOUS CUTTING BITS AND WASH WATER.

THE REPRESENTATIVE SOIL SAMPLES WERE OBTAINED BY MEANS OF THE SHELBY TUBE SAMPLING PROCEDURES IN ACCORDANCE WITH ASTM SPECIFICATION D-1587-63T (SEE APPENDIX). IN THIS PROCEDURE, THIN WALL STEEL SEAMLESS TUBES WITH SHARP CUTTING EDGES WERE PUSHED HYDRAULICALLY INTO THE SOIL AND RELATIVELY UNDISTURBED SAMPLES OBTAINED. THE SHELBY TUBES WERE IDENTIFIED IN THE FIELD, SEALED WITH RUBBER CAPS AND WERE TAKEN TO OUR LABORATORY FOR FURTHER EXAMINATION AND TESTING.

TESTING PROGRAM

THE TESTING PROGRAM CONSISTED OF PERFORMING UNCONFINED COMPRESSION, WATER CONTENT AND DENSITY TESTS UPON REPRESENTATIVE AND UNDISTURBED PORTIONS OF THE SAMPLES TAKEN FROM THE SHELBY TUBES. IN THE UNCONFINED COMPRESSION TEST, THE

UNCONFINED COMPRESSIVE STRENGTH OF THE SOIL IS OBTAINED BY LOADING AXIALLY

A TRIMMED SOIL SAMPLE WHICH IS UNSUPPORTED LATERALLY AND UNDER A SLOW AND

APPROXIMATELY CONSTANT STRAIN UNTIL FAILURE IS OBTAINED WHICH IS TAKEN AS

THE STRESS AT THE MAXIMUM AXIAL LOAD OR THE STRESS AT 20% STRAIN. WHERE THE

RECOVERY FOR THE PERFORMANCE OF THE UNCONFINED COMPRESSION TEST WAS INSUFFICIENT,

AND THE SAMPLE ESSENTIALLY COHESIVE, A PENETROMETER TEST WAS PERFORMED. THE

PENETROMETER TEST IS A TEST IN WHICH THE UNCONFINED COMPRESSIVE STRENGTH OF THE

SOIL CAN BE ESTIMATED BY THE RESISTANCE OF THE SOIL SAMPLE TO THE PENETRATION

OF A SMALL SPRING CALIBRATED CYLINDER. ALL LABORATORY TEST DATA IS NOTED ON

THE SOIL BORING LOGS.

Upon completion of the testing program each soil sample was classified on the basis of texture and plasticity in accordance with the Unified Soil Classification System. The appropriate group symbol according to the Unified System is included in parentheses following the visual soil description on the Boring logs. A brief explanation of the Unified Soil System of classification is included in the appendix of this report.

SOIL CONDITIONS 7

Most of the soil borings indicate no topsoil at the surface except at the southeast corner of the area where boring 5 indicates approximately 1' of topsoil.

THE MOST PREDOMINANT SOIL TEXTURE MAPPED IN THE PROFILES IS A SILTY CLAY TILL WHICH CONTAINS TRACES OF SAND AND GRAVEL. THE BORINGS THAT WERE PERFORMED ALONG THE SOUTHERN BOUNDARY OF THE PROPERTY AND ALSO THE BORING PERFORMED WITHIN THE CENTER INDICATE THAT THE SILTY CLAY IS OF A CONSISTENCY BETWEEN VERY TOUGH AND HARD TO THE MAXIMUM DEPTH OF THE BORINGS. AT THE LOCATION OF BORINGS 2 AND 3 WHICH WERE PERFORMED ALONG THE NORTHERN BOUNDARY OF THE PROPERTY, THE BORINGS INDICATE THAT THE SILTY CLAY SOIL OBTAINED BETWEEN THE SURFACE AND A DEPTH OF APPROXIMATELY 41 HAS A STIFF TO TOUGH CONSISTENCY AND

- SOIL TESTING SERVICES, INC.

WATER CONTENTS GENERALLY IN EXCESS OF 20% BY DRY WEIGHT. HOWEVER, THE CONSISTENCY AT DEPTHS IN EXCESS OF 4' ARE SIMILAR TO THOSE INDICATED AT THE SAME
LEVEL IN THE BORINGS PREVIOUSLY DESCRIBED. ALSO, A RELATIVELY THIN CLAYEY
SILTY STRATUM IS INDICATED BETWEEN THE DEPTH RANGE OF 4' AND 5' BELOW SURFACE
AT THE LOCATION OF BORING 2.

Boring I which was performed to a depth of 27° indicates a hard clayey silt at approximately a depth of 18° and again silty clay of a very tough consistency at approximately a depth of $2\frac{1}{4}^{\circ}$ and this silty clay texture and consistency prevails to the end of this boring.

GROUND WATER TABLE CONDITIONS

THE GROUND WATER TABLE COULD NOT BE MEASURED DURING THE BORING OPERATIONS BECAUSE OF THE RELATIVELY IMPERVIOUSNESS OF THE DEPOSITS ENCOUNTERED.

BASED ON A VISUAL INSPECTION OF THE SOIL SAMPLES WE ESTIMATE THAT THE CONTINUOUS GROUND WATER TABLE IS LOCATED AT A DEPTH IN EXCESS OF 13' BELOW SURFACE AND AT APPROXIMATELY THE LEVEL OF TRANSITION BETWEEN THE BROWN GRAY AND TOTALLY GRAY SILTY CLAY SOILS. SOME GROUND WATER ALSO MAY BE PRESENT IN A PERCHED STATE WITHIN RELATIVELY PERVIOUS SEAMS OF CLAYEY SILTY SANDS AND SILTY SANDS AT LEVELS ABOVE A DEPTH OF 13'. THE BORINGS INDICATE THAT THE OCCURRENCE OF SUCH AQUIFERS SHOULD BE VERY LIMITED.

THE GROUND WATER TABLE IS EXPECTED TO OSCILLATE SLIGHTLY DURING THE YEAR ACCORDING TO THE AMOUNT OF PRECIPITATION AND SURFACE RUNOFF.

ANALYSIS AND RECOMMENDATIONS

IN VIEW OF THE CONDITIONS ENCOUNTERED AND THE TYPE OF STRUCTURE CONTEMPLATED WE RECOMMEND THAT THE STRUCTURE BE SUPPORTED ON A SPREAD FOOTING TYPE OF FOUNDATION. THE FOOTINGS SHOULD BE PLACED ON OR IN THE BROWN AND GRAY SILTY CLAY OF A VERY TOUGH TO HARD CONSISTENCY WHICH ARE INDICATED AT LEVELS VARYING FROM 2' TO 4' BELOW THE SURFACE. AT THESE LEVELS THE FOOTINGS SHOULD BE DESIGNED FOR A NET ALLOWABLE SOIL BEARING PRESSURE NOT TO EXCEED 4000 POUNDS

PER SQUARE FOOT. THE NET ALLOWABLE SOIL BEARING PRESSURE REFERS TO THE PRESSURE WHICH CAN BE TRANSMITTED AT THE BOTTOM OF THE FOOTINGS IN EXCESS OF THE FINAL MINIMUM SURROUNDING OVERBURDEN PRESSURE. SPECIFICALLY, THE DESIRABLE BEARING SOIL CAN BE FOUND AT A DEPTH OF 2' AT THE LOCATION OF BORINGS 1, 4 AND 5 AND AT APPROXIMATELY A DEPTH OF 4' AT THE LOCATION OF BORINGS 2 AND 3. THE EXTERIOR FOOTINGS FOR THE STRUCTURE SHOULD BE PLACED AT A MINIMUM DEPTH OF 4' BELOW OUTSIDE GRADE IN ORDER TO ASSURE SUFFICIENT PROTECTION AGAINST THE EFFECTS OF FROST PENETRATION.

No construction problems are anticipated for a spread footing foundation. However, wherever soil conditions as indicated at a depth of 41 at the location of Boring 2 prevail, this slightly cohesive material may become spongy upon exposure. If such a condition occurs we recommend that the footings be extended to the underlying silty clay soils or be placed over a compacted granular base raised to the desired footing grade.

As an alternative solution to a footing foundation it is possible to support the structure on relatively shallow caissons. The Borings indicate that for caissons placed at a depth of approximately 10° below existing ground surface, they can be designed for a net allowable soil bearing pressure not to exceed 8000 pounds per square foot.

WE RECOMMEND THAT THE FOUNDATION EXCAVATIONS BE INSPECTED BY A QUALIFIED SOIL ENGINEER IN ORDER TO ASSURE THAT THE SOIL CONDITIONS ENCOUNTERED ARE AS ANTICIPATED IN THE DESIGN.

REGARDING THE SLAB ON GRADE, IT IS OUR UNDERSTANDING THAT FLOOR LOADS

UP TO 2000 POUNDS PER SQUARE FOOT MAY BE EXPECTED. IT IS RECOMMENDED. THAT

ANY TOPSOIL AS WELL AS ANY HIGH WATER CONTENT COMPRESSIBLE SILTY CLAY WHICH

MAY BE ENCOUNTERED IMMEDIATELY UNDER THE TOPSOIL BE REMOVED AND REPLACED, IF

NECESSARY, BY A FILL PROPERLY COMPACTED. THE FILL MATERIAL SHOULD BE FREE OF

ORGANIC MATTER AND DEBRIS AND SHOULD BE PLACED IN LIFTS NOT TO EXCEED 9" IN LOOSE THICKNESS. THE FILL SHOULD BE COMPACTED TO A MINIMUM OF 90% OF ASTM D-1557-58T FOR CLAYEY FILLS OR A MINIMUM OF 60% RELATIVE DENSITY IN ACCORDANCE WITH ASTM DESIGNATION D-2049-64T FOR GRANULAR FILL, UNTIL FLOOR SLAB GRADE IS ATTAINED FOR AREAS WITH FLOOR LOADINGS LESS THAN 500 PSF. IN AREAS WHERE THE FLOOR SLAB LOAD WILL EXCEED 500 POUNDS PER SQUARE FOOT OR WHERE BEARING WALLS WILL BE TRANSMITTED DIRECTLY TO THE FLOOR SLAB WE RECOMMEND THAT THE FILL MATERIAL BE COMPACTED TO A MINIMUM OF 95% OF ASTM D-1557-58T DENSITY OR A MINIMUM OF 75% RELATIVE DENSITY. ANY STRIPPING OR COMPACTION OPERATIONS SHOULD BE INSPECTED BY A QUALIFIED SOIL ENGINEER AND WE RECOMMEND THAT EACH LIFT BE TESTED AND APPROVED BY THE SOIL ENGINEER PRIOR TO THE PLACEMENT OF SUBSEQUENT LIFTS.

REGARDING THE SLAB DESIGN, WE RECOMMEND THAT THE SLAB BE REINFORCED BOTH AT THE TOP AND BOTTOM WITHIN THE HEAVILY LOADED AREA AND POURING BE DONE INDEPENDENTLY OF THE FOUNDATION WALL. A SUGGESTED DESIGN IS 8° THICK WITH $6 \times 6 \#4$ MESH TOP AND BOTTOM.

IF YOU WISH, WE WOULD WELCOME THE OPPORTUNITY TO PROVIDE THE FIELD ENGINEERING INSPECTION SERVICE AND TO REVIEW THE PLANS AND SPECIFICATIONS AFTER THEY ARE PREPARED FOR THE PROJECT SO THAT WE MIGHT HAVE AN OPPORTUNITY OF COMMENTING UPON THE EFFECTS OF THE SOIL CONDITIONS ON THE DESIGN AND SPECIFICATIONS.

Mr Low Walter Soil Lesting Engineer

APPEND IX

- 1. LOCATION DIAGRAM
- 2. GENERAL NOTES
- 3. Boring Logs
- 4. ASTM SPECIFICATION D-1587-63T
- 5. Unified Soil Classification System
- 6. GENERAL PROPERTIES OF VARIOUS SOIL TYPES

WISCONSIN 57 -80 × 80 × 80 305['] 32

ELMORE AVE

DOIL BORING LOCATION DIAGRAM PROPOSED I-STY INDUSTR. BLDG FLEXIBLE STEEL LACING CO DOWNERS GROVE ILLINOIS



SOIL TESTING SERVICES, INC.

111 PFINGSTEN ROAD

NORTHBROOK ILLINOIS

GENERAL NOTES

1950 Chicago Building Code Soil Classifications are Used Except Where Noted

DRILLING & SAMPLING SYMBOLS

55 : Split-Spoon - 13/8" I.D., 2" O.D., except where noted

ST : Shelby Tube - 2" O. D., except where noted

PA: Power Auger Sample
DB: Diamond Bit ~ NX: BX: AX:
CB: Carbolov Bit ~ NX: BX: AX:

OS: Osterberg Sampler - 3" Shelby Tube

HS: Housel Sampler
WS: Wash Sample
FT: Fish Tail
RB: Rock Bit
WO: Wash Out

Standard "N" Penetration: Blows per foot of a 140 pound hammer falling 30 inches on a 2 inch OD split spoon, except where noted.

WATER LEVEL MEASUREMENT SYMBOLS

WL: Water Level
WCI: Wet Cave In
Site: Dry Cave In
WS: While Sampling
WD: While Drilling

BCR: Before Casing Removal ACR: After Casing Removal

AB : After Boring

Water levels indicated on the boring logs are the levels measured in the boring at the times indicated. In pervious soils, the indicated elevations are considered reliable ground water levels. In impervious soils, the accurate determination of ground water elevations is not possible in even several days observation, and additional evidence on ground water elevations must be sought.

CLASSIFICATION

STS

COHESIONLESS SOILS

"Trace" 1% to 10% "Trace to some" 10% to 20% "Some" 20% to 35% "And" 35% to 50% Loose 0 to 9 Blows Medium Dense 10 to 29 Blows Or equivalent Dense 30 to 59 Blows **Very Dense** ≥ 60 Blows :

COHESIVE SOILS

If clay content is sufficient so that clay dominates soil properties, then clay becomes the principle noun with the other major soil constituent as modifier; i.e., silty clay. Other minor soil constituents may be added according to classification breakdown for cohesionless soils; i.e., silty clay, trace to some sand, trace gravel.

Soft	:	0.00 - 0.59 tons/ft ²
Stiff	:	0.60 — 0.99 tons/ft ²
Tough	:	1.00 — 1.99 tons/ft ²
Very tough	:	2.00 — 3.99 tons/ft ²
Hard	:	≥ 4.00 tons/ft ²

GENERAL NOTES

SOIL TESTING SERVICES, INC. 111 PFINGSTEN ROAD NORTHBROOK ILLINOIS

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						NORTHEROO				1000	_ '		

Tentative Method for

THIN-WALLED TUBE SAMPLING OF SOILS'



ASTM Designation: D 1587 - 63 T

ISSUED, 1958; REVISED, 1963.

This Tentative Method has been approved by the sponsoring committee and accepted by the Society in accordance with established procedures, for use pending adoption as standard. Suggestions for revisions should be addressed to the Society at 1916 Race St., Philadelphia 3, Pa.

Scope

1. (a) This method of sampling of foundation soils is designed to secure relatively undisturbed samples suitable for laboratory tests. It is intended as a guide to more complete specifications to meet the needs of a particular job. It is not implied that if this method is followed, the samples are necessarily sufficiently undisturbed to be suitable for all types of laboratory tests under all field conditions.

(b) There are in general two types of samplers that use thin-walled tubes for sampling, namely, open-tube samplers, and piston samplers. In general, fixed-piston samplers are better and can be used in almost all soils. However, open-tube samplers are satisfactory for many soils. Since the thin-walled tube requirements are the same for both types of samplers, the method described applies equally to both.³

Apparatus

2. (a) Drilling Equipment.—Any equipment may be used that provides a reasonably clean hole before insertion of the thin-walled tube, and does not disturb the soil to be sampled, and that can effect continuous and rapid penetration of the tube into the sampled soil.

NOTE.—Where casing is used, the equipment must be capable of driving and removing casing, and must include a pressure pump for clean-out operations. Where drilling fluid is used, a suitable mud pump is required. Where augers are used for clean-out purposes, no special equipment other than that for sampling is generally required.

(b) Thin-Walled Tubes.—Tubes 2 to 5 in. in outside diameter and made of any materials having adequate strength and resistance to corrosion will be satisfactory (Fig. 1). Adequate resistance to corrosion can be provided by a suitable coating. Sizes other than these shall be used only by order of the person responsible for the boring program. Though these sizes do not necessarily insure undisturbed samples, tubes smaller than 2 in. are considered unsatisfactory for obtaining specimens for compression tests. Tubes shall be of such a length that between five and ten times the diameter is available for penetration into sands and between ten and fifteen diameters is available for penetration into clays. Tubes shall be reasonably round and smooth, without bumps, dents, or scratches. Seamless or welded tubes are permissible, but welds must not project at the seam. The tubes shall have a thickness not greater than No. 16 gage for tubes 3 in. and under in diameter, not greater than No. 14 gage for tubes 3 to 41 in. in diameter, and not greater than No. 11 gage for tubes 5 in, in diameter. The cutting edge shall be machined as shown in Fig. 1. The inside clearance ratio shall be between 0.5 and 3 per cent. Small clearances are

desirable in sands; and clearances up to 3 per cent are required for good recovery in clays depending on the soil type, tube length and method of driving. Unless otherwise specified, an inside clearance ratio of 1.0 per cent shall be supplied Two vent holes (‡ in. minimum) shall be provided in the sampler head. A coupling head with a check valve and a

TABLE L-STANDARD THIN-WALLED STEEL SAMPLE TUBES.

Outside diameter, in Wall thickness:	2	3	5
Bwg. In. Tube length, in. Clearance ratio, per cent.	0.049	16 0.065 36 1	11 0.120 54 1

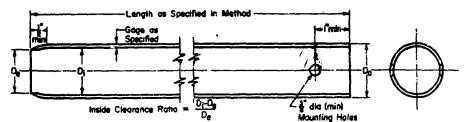
^a Tubes are designed to fit either open or piston standard thin-wall sampler heads of the Diamond Core Drill Manufacturers Assoc.

⁵ Alternate materials, sizes, lengths, and clearances are available. Intermediate diameters should utilize intermediate thicknesses and tube lengths.

The 2-in. OD tubes have not been standardised by the Diamond Core Drill Manufacturers Assoc., but are in such common use that they are considered standard. The 2-in. OD tubes are considered a minimum acceptable diameter for sampling, using this method. The DCDMA has standardised the 2½-in. OD, 18-gage tubing, which is considered fully acceptable for sampling using this method.

The three diameters recommended in Table I are indicated for purposes of standardisation, and are not intended to indicate that sampling tubes of intermediate or larger diameters are not acceptable. Frequently 2½-in. OD, and 2½-in. OD samplers are used. It should be pointed out that the larger diameters give the least sample disturbance and provide the better

sampies.



Norm.—Minimum of 2 mounting holes on opposite sides for 2- to 3½-in. sampler. Minimum of 4 mounting holes spaced at 90 deg for samplers 4 in. and larger. Tube held with hardened screws.

Fro. 1,—Thin-Walled Tube for Sampling.

¹ Under the standardisation procedure of the Society, this method is under the jurisdiction of the ASTM Committee D-18 on Soils for Engineering Purposes.

² Revision accepted by the Society at the Annual Meeting, June, 1963.

Published first as information in the compilation of "Procedures for Testing Soils," April, 1958.

² M J. Hvoralev, "Subsurface Exploration and Sampling of Soils for Civil Engineering Purposes," The Engineering Foundation, 33 W. 39th St., New York 18, N. Y.

minimum of 0.6 sq in. venting to outside above check valve can be used to improve sample recovery. Tubes shall be clean, smooth, and free of rust and dirt. The cutting edges shall be sharp and free from nicks. Coating the tubes with lacquer or suitable plastic by dipping after thorough cleaning is recommended for obtaining the best possible samples. Table I shows the dimensions of suitable thin-wall sample tubes.

- (c) Sealing Material.—Any wax that does not have appreciable shrinkage, or does not permit evaporation from the sample, shall be permitted. Microcrystalline waxes are preferable to paraffin. Thin discs of steel or brass that are slightly smaller than the inside diameter of the tube are desirable for plugging both nds before sealing with wax. Cheeseclothe and tape are needed. Suitable expanding packers may be used.
- (d) Accessory Equipment.—Labels, data sheets, shipping containers, and other necessary supplies.

Procedure

- 3. (a) Preparing Hole.—Clean out the hole to sampling elevation using whatever method is preferred that will insure that the material to be sampled is not disturbed by the operation. In saturated sands and silts withdraw the drill bit slowly to prevent loosening of the soil around the hole. Where casing is used, clean on he hole to the bottom or just below. A clean-out auger shall be used to clean the bottom of the hole when necessary.)
- (b) Obtaining Sample.—With the sampling tube resting on the bottom of the hole and the water level in the boring at the ground-water level or above, push the tube into the soil by a continuous and rapid motion, without impact or twisting, a distance not greater than 15 diameters for cohesive soils, 10 diameters for cohesionless soils and 5 diameters in very loose soils such as loess. In

no case shall the tube be pushed further than the length provided for the soil sample. Allow about 3 in. in the tube for cuttings and sludge. The time and pressure. whenever measured, required to obtain penetration shall be noted. When the soils are so hard that a pushing motion will not penetrate the sampler sufficiently for recovery, and where recovery by pushing in sands is poor, a heavy weight may be used to drive the sampler. In such a case, the weight, height, and number of blows shall be recorded. Before pulling the tube turn it at least two revolutions to shear the sample off at the bottom. In very loose saturated sands and silts, the use of a piston sampler is often necessary to secure a suitable undisturbed sample. In intermittent sampling, the soil shall be sampled at every change in stratum and at intervals no larger than 5 ft. within continuous strata.

- (c) Preparation for Shipment.—Upon removal of the sampler tube, measure and record the length of sample in the tube and iso the length penetrated. Completely remove the disturbed material in the upper end of the tube before applying wax, and record the length of disturbed soil removed. Ream the lower end to a depth of at least 1 in, and insert an impervious disc. Seal both ends with wax applied in a way that will prevent wax from entering the sample. Where tubes are to be shipped some distance, tape the ends to prevent breakage of the seals. It is advisable to place cheesecloth around the ends after sealing and dip the ends several times in the melted wax.
- (d) Labeling and Shipping.—Tubes shall be labelled as to job designation, boring number, sample number, depth, date, and description of the soil. Duplicate marking of the tube and boring number shall be required. Tubes shall not be permitted to freeze and shall be stored in a cool place out of the sun at all times. Tubes shall be shipped in such a way as not to cause shock and vibration or to disturb the sample in any other way. Samples shall

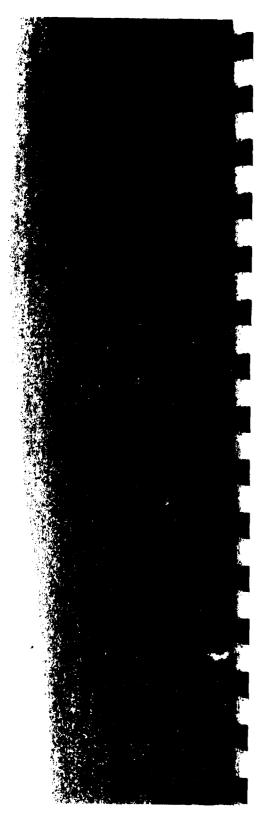
be shipped protected with suitable resilient packing material to reduce shock. On sands and silts it may be necessary to make volume and weight determinations in the field or to arrange for delivery by other than public carriers, since these soils are sometimes very sensitive to vibration.

(e) Field Observations.—Record type and size of sampler and water table information on the field logs, including ground-water level, elevations at which the drilling water was lost, or elevations at which water under excess pressure was encountered. Measure ground-water levels before and after pulling the casing, where used. In sands, determine the level as the casing is pulled and then measure at least 30 min after the casing is pulled; in silts at least 24 hr after the casing is pulled; in clays, no accurate level determination is possible unless pervious seams are present. However, the 24-hr level shall be recorded for clays. When drilling mud is used, and the water level is desired, casing perforated at the lower end shall be lowered into the hole and the hole bailed down. Determine groundwater levels after bailing at time intervals of 30 min and 24 hr after all traces of drilling mud are removed from inside the casing. Record additional water-table information where encountered.

Report

- 4. (a) Data obtained in borings shall be recorded in the field and shall include the following:
 - (1) Depth of top and bottom of sample,
 - (2) Drilling methods,
 - (3) Method of advancing sampler,
 - (4) Water data,
 - (5) Casing used, and
 - (6) Date.
- (b) The data thus obtained shall be prepared in final form to show the nature and extent of the soil strata over the area under consideration.

⁴The dimensions have been adopted as standard by the Diamond Core Drill Manufacturers Assoc.



UNIFIED SOIL CLASSI INCLUDING IDENTIFICATION AN

L <u>.</u>											INCLUDING IDENTIFICATION AF
(Excl	lu	ding pai			_		TIFICATION PR	OCEDURES fractions on estima	ted weights)	GROUP SYMBOLS	TYPICAL NAMES
5 2		traction ve size,	dient		GRAVELS	: : ::		grain size and substi diate particle sizes		GW	Well graded gravels, gravel-sand mixtures, little or no fines.
		GRAVELS half of coarse fro than No. 4 sieve	as equivalent		CLEAN 0	tines)	Predominantly one size or a range of sizes with some intermediate sizes missing.		G P	Poorly graded gravels, gravel-sand mixtures, little or no fines.	
DILS No. 200		GRAVELS More than half of coarse is larger than No. 4 sie	De used		ES E	amount of fines)	Non-plastic fir see ML belo	nes (for identificati w).	on procedures	GM	Silty gravels, poorly graded gravel-sand- silt mixtures.
COARSE GRAINED SOILS More than half of material is <u>larger</u> than No. 200 sieve size st particle visible to the naked eye)		More than is larger	pesn ed kom ezis		GRAVELS WITH FIRES	Appreciable amount of fin	Plastic fines	(for identification p	receduras	øc	Clayey gravels; poorly graded gravel-sand- clay mixtures.
RSE GRAINE Perial is <u>larger</u> the naked eye)		fraction re size.]	SAMDS or no	· · ·		grain sizes and subs all intermediate part		SW	Well graded sands, gravelly sands; little or no fines.
COAR f of mote lible to 11		ros of coarse No. 4 sie	classifications, the	216 40 2120	CLEAN :	T .		ane size or a range ediate sizes missing		SP	Poorly graded sands, gravelly sands; little or no fines.
COA More than haif of ma smallest particle visible to		BANDS More than half of coarse fraction is smaller than No. 4 sieve size.	visual class	• [ES 4	amount of fines)	Non-plastic fin see ML below	es (for identification).	n procedures	SM	Silty sands, poorly graded sand-silt mixtures.
More notlest po		More the	(For vig		SANDS WITH FINES	amount of fir	Plastic fines (for identification pro).	ocedures	sc	Clayey sands, poorly graded sand-clay mixtures.
		IDENTI	FIGAT	101	N PR	OCED	URES ON FRACTI	ON SMALLER THAN	No. 40 SIEVE SIZE		
eve size. about the							DRY STREMSTH (CRUSHING CHARACTERISTICS)	DILATARCY (REACTION TO SHAKING)	TOUGHNESS (CONSISTENCY NEAR PLASTIC LIMIT)		
200 sı ize is	1		CLAY8 mit	8			None to slight	Quick to slow	None	ML	Inorganic silts and very fine sands, rock flour, silt or clayey fine sonds with slight plasticity.
FOILS than Na 200 D sieve size			Strts and clays Liquid limit	less than			Medium to high	None to very slow	Medium	CL	Inorganic clays of law to medium plasticity, gravel clays, sandy clays, sifty clays, lean clays.
FINE GRAINED SOILS More than half of material is <u>smaller</u> than Na (The No. 200 sieve s	۱		ā				Slight to medium	Slow	Slight	OL	Organic silts and organic silt-clays of low plasticity.
FINE of material (T			* * *	20			Stight to medium	Slow to none	Stight to medium	MH	Inorganic silts, micaceous or diatemaceous tine sandy or silty soils, elastic silts.
than half			SILTS AND CLAYS Liquid limit	afer than			High to very high	None	High	СН	Inorganic clays of high plasficify, fat clays.
E O S		,	בונ ר	Ĭ.			Medium to high	None to very slow	Slight to medium	он	Organic clays of medium to high plasticity.
нівн	MIGHLY ORGANIC SOILS Readily identified by color, agong feel and frequently by fibrous texture.							ongy feel and	PT	Peat and other highly organic soils.	
		t Box	indory	c cl	lassifi	catio	ns:- Soils possessing	characteristics of to	vo groups are design	ated by co	mbinations of group symbols. For example GW-GC, w

a Boundary classifications:- Soils possessing characteristics of two groups are designated by combinations of group symbols. For example GW-GC, was All sieve sizes on this chart are U.S. standard.

FIELD IDENTIFICATION PROCEDURES FOR FINE GI These procedures are to be performed on the minus No. 40 sieve size particles, is not intended; simply remove by hand the coarse particles that interfere will

			IMPORTAN	r properties					
TYPICAL NAMES OF SOIL GROUPS	GROUP SYMBOLS	PERMEA- BILITY WHEN COMPACTED	SHEARING STRENGTH WHEN COMPACTED AND SATURATED	COMPRESSIBILITY WHEN COMPACTED AND SATURATED	WORKABILITY AS A CONSTRUCTION MATERIAL	HOMO- GENEOUS EMBANK- MENT	CORE	DAMS SHELL	E RES
ll-graded gravels, gravel-sand mixtures, tle or no fines	-GW	pervious	excellent	negligible	excell e nt			1	
orly graded gravels, gravel-sand mix- res, little or no fines	GР	very pervious	good	negligible	good	_		2	
ity gravels, poorly graded gravel-sand- lit mixtures	GM	semi-pervious to impervious	good	negligible	bocg	2	4		
ayey gravels, poorly graded gravel-sand- ay mixtures	G C	impervious	good to fair	very low	good	1	1		
ell-graded sands, gravelly sands, little cr o fines	sw	pervious	excellent	negligible	excellent			3 if gravelly	
oorly graded sands, gravelly sands, little r no fines	SP	pervious	good	very low	fair		-	4 if gravelly	11
lty sands, poorly graded sand-silt	SM	semi-pervious to impervious	good	low	fair	4	5	_	i
ayey sands, poorly graded sand-clay	SC	impervious	good to fair	low	good	3	2		
norganic silts and very fine sands, rock lour, silty or clayey fine sands with slight plasticity	ML	semi-pervious to impervious	fair	medium	fair	6	6		
organic clays of low to medium plasticity, ravelly clays, sandy clays, silty clays, ean clays	CL	impervious	fair	medium	good to fair	5	3		
rganic silts and organic silt-clays of low lasticity	OL	semi-pervious to impervious	poor	medium	fair	8	8		
norganic silts, micaceous or diatomaceous	МН	semi-pervious to impervious	fair to poor	high	poor	9	9		

FOUNDATION BORINGS AND TESTING

ENGINEERING ANALYSES AND REPORTS

INSPECTION

DESIGN

SOIL TESTING SERVICES, INC.

111 PFINGSTEN ROAD

NORTHBROOK, ILL. 60062

ADDRESS REPLY TO:

P.O. BOX 266

NORTHBROOK, ILL. 60062

Chicago Phone:

Northbrook Phone: 272-65.

273-54

JOHN P. GNAEDINGER. P.E. CLYDE N. BAKER, JR., P.E. ROBERT G. LUKAS, P.E. HAROLD C. HALL, P.E. DIXON O'ERIEN, JR., P.E. CLYDE L. McCOMB. P.E.

July 6, 1970

JOSEPH M. CASERO, P.E.
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CONRAD R. DELATOUR CHARLES W. PFINGSTEN RAYMOND W. RUSIN SARTAJ H. SIDDIQUI

Chicago Associates 410 South Michigan Avenue Chicago, Illinois

Attention: Mr. Bill Kehoe

STS Job No. 10222-A

Reference: Investigation of parking lot subgrade at the Proposed Flexible

Steel Company in Downers Grove, Illinois

Gentlemen:

We performed five (5) shallow hand auger type borings in the proposed parking lot area, as directed. The results of these test data are attached to this letter report.

It is our understanding the proposed parking lot final grade is approximately the same as the present grade and is designed with 2 in. of bituminous pavement and 6 in. of macadam base and is designed for auto wheel traffic, only. Apparently the fill has been in place approximately 2 years.

As indicated by the test data at the boring locations, a minimum of 3 ft. of fill to the maximum depth of the borings at 6 ft., consisted of a silty clay fill and topsoil. In the vicinity of borings #1 through #3, the fill is variable with some layers relatively firm and other thin layers soft. Borings #4 and #5 indicated at least 6 ft. of topsoil with layers of varying densities and moisture contents.

There are a number of alternate construction procedures to use depending primarily on economics. Of course the best procedure would be to completely remove all fill and topsoil and replace with suitable compacted fill. A second alternate would be to remove a portion of the fill and topsoil; for example, use a minimum of 12 in. of compacted granular subbase. The macadam base should be increased from 6 to 8 in. minimum. In lieu of the 8 in. waterbound macadam base, we often recommend the use of CA-6 material, placed in two 4 in. 1990s and compacted to 95% of ASTM D 1557-66T, according to the State of Illinois Standard Specifications for road and bridge construction. A third alternate is to use at least a 12 in. macadam base (or 14 in. of CA-6 compacted in three layers) and increase the bituminous paving to 3 in. Unless all fill and topsoil is removed, some settlement will occur due both to the soft layer within the fill and the topsoil. The magnitude of the settlement is difficult to profit ct.

Chicago Associates STS Job No. 10222-A July 6, 1970 Page 2

It will depend on the thickness of the fill and topsoil left in place and the conditions of the underlying natural soils. Some maintenance will be required and the extent will again depend on the soil conditions and the thickness of the material left in place.

If granular material is used as a subbase, proper subdrainage should be provided such that the ground or surface water does not accumulate for prolonged periods within the granular fill.

Regarding alternate No. 2, suitable clayey fill could be used in place of the granular fill; however, difficulties with compaction can be anticipated due to the instability of the topsoil and clay fill below. Of course all fill placed should be placed in thin layers and compacted to a maximum of 95% of ASTM D 1557-66T.

If there are any questions with regard to this report, please do not hesitate to contact us.

Very truly yours,

SOIL TESTING SERVICES, INC.

Clyde L. McComb

Clyde L. McComb

Registered Professional Engineer

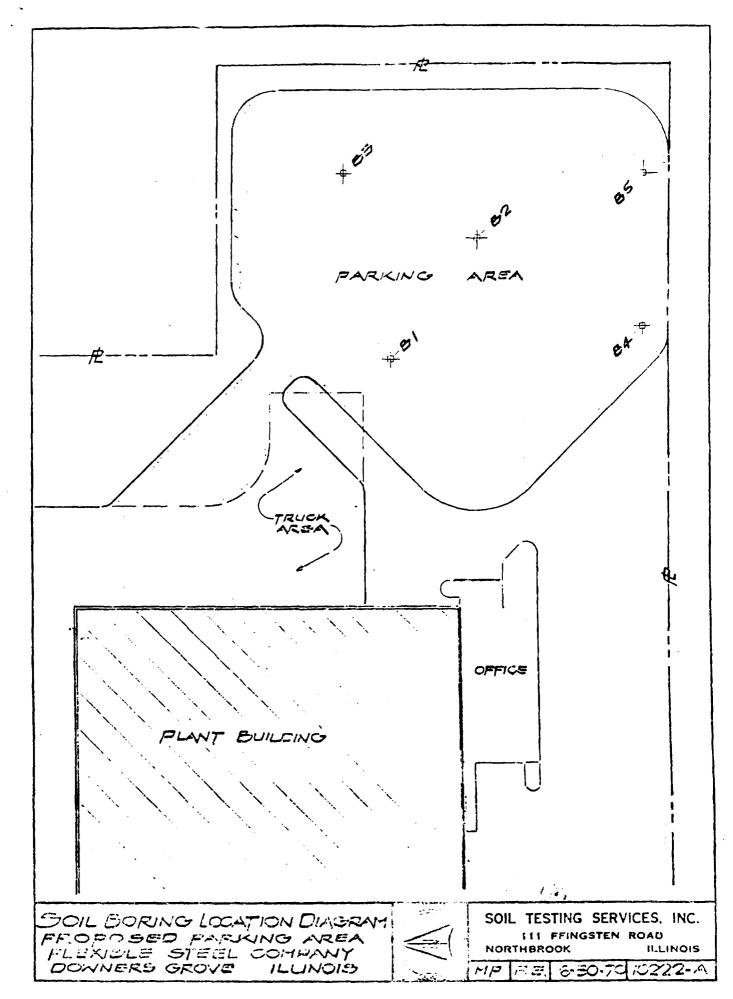
Illinois

Clyde N. Baker, Jr.

Chief Engineer

Clye U Pa

CLM:es



111 Pfingston Road Northbrook, Illinois

	STS Job No 1002	2-4
	DATE SAMPLED IN	
\RY		

SHELBY TUBE TEST DATA SUMMARY

SHELD TODE TEST DATA SUPPLIANT FIELD	
Job Name and Location Florish Stands South 15 6 200 511	!
Architect or Engineer	
Contractor	

TEST LOCATION	DEPTH	SOIL DESCRIPTION	WATER CONTENT	1	PERCENT COMPACT		REMÄRK	=== S
వ-/: 5-/	0-1'3"	Silty Clay Titososo	19,1	117.5		6.0	Fill	
		+ Gr. Blown CL						
" S-Z	1326	Sitty of To Sa G-+	17.9	18290		E,)	7711	
		roots Tretailing, Co						
11:5-24	リラニノシ	Citty of months got sois	26.9	4. 4. •		2.7	Fill	
		1/2 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
11 · 5-2B	110:-2:31	SHYC. THO SOSO FAIR BONG	16.7	115.0		4.3	I:11	
		+910; CL-CH						
1 5-3	2'3"-29	'Silfu Ci Tr LoSo Sa To Go - brown	15.9	120.8		4.0	F.11	
	· · · · · ·	+ Oray - CL					·	
u : 5-3.4	29-210	Silty C/Tr Sa. Sonota soil.	23,5			2.0	F:11	
		brown + Sircing CL-CH					· · · · · · · · · · · · · · · · · · ·	
11:5-38	2'10"3'3"	Silty of To Sat Gr - brown	20,3	110.8		4.5	<i>E:11</i>	
		+0/20. CL-CH	,				·	
11 , 5-4	33"-23"	THY CTTO SOSATEGE	17.3	115.3		4.5		
		brown. CL						
11:5-5	43:53	Silty Clay To lo lo fo Tr Gr	18.8	114.6		4.0		
		brown - CL						
B-2; 5-1	0-1'	Silty City 505076	17.5	114.6		4.5	I:11	
<u> </u>	1	brown + oray - CL						
4;5-2	1-2'	Siltydisc, Garass	19.4	104.0		2.0	F:11	
		brown+gray. CL-CH						
11 ; 5-3	1	chill somethroling	19.5	108.4	_	2.2	F:1/	
		brown+ grave - GL-CH					, = -	
11;5-4.	33"-23"	Silty of Tr Sat Gr brown	20.9	107.9	-	1.4	II//	
., b.		CL-CH			1			

Note: Method of Sampling: Thin-Walled Tube Sampling of Soils, ASTM D 1587

Sampler, 2" OD Thin-Walled Seamless open-tube type with a sharp curring edge. Depth is measured from Exist. GRADF. Water content is percent of dry wt. Density is los per cu ft. Unconfined compressive strength is tons per sq ft.,

* Indicates a calibrated hand penetrometer. \$ compaction based on Maximum Dry Density of ________ PCF according to ASTM D 1557 or 1698 [estimat

111 Pfingston Road Northbrook, Illinois

STS	Job No. 102	22.A
DATE	SAMPLED	IN
	_	

• • •	SHELDT TODE TEST DATA SUMMANT FIELD	
Inh Name and Location	Flexible steel - Downers Grave-Ill.	1
	CA PA	1
Contractor	Rekstorl-Bidro	

TEST LOCATION	DEPTH	SOIL DESCRIPTION	WATER DRY		1	UNCONF.	REMARKS
B-2; 5-5	43-53	Silty GTT Sa-Sitroots.	26.5	105,1		1.1	FILL
		Trishere- brongegray. CL-CH	19.6	1/1.2		3.1	FILL
B-3; 5-1		Silty ClTisa Granos		107.3	_	2,0	F:11
		brown+gray. CL-CH.					F:11
" 5-2		Silty CITISO, Gorroots	27.0	104.6		2.2	Fill
		prounteron. CL-CH					
" 5-3	2'-3'	Same	21,9	1025		2.0	F:11
1, 5-4	3-4'	Same	26.5	97.6	_	1,2	Fill.
* 5-5	4'-5'	Silty Cl Trtososa Tier	16.4	113.1	-	4,0	Fill
		brown+aray CL					
B-4:5-1	0-1	Cilty+clayer Topsoil	398	81.1		1,5	
		TE roots. black DL-OH					
n · 5-2	1-2'	Sill televiny Tonsoil Tr 1000	39.Z	75.0		0.7	·
,	1 1	deoporadkersmi CL-DIT					
111 5-3	2'-1'	Same	44.0	79.0	_	1.7	
"; s-4	4-6	Same (black)	35.0	87.7		2.3	
B-5; S-1	C-1'	Sty+ class to call boll and	45.5	سى لەنز			
		brown. (OL-OH)					
1 5-2	1-2'	Same	35.7	84.9		0.7	·
11 5-3	2:4'	Same	38.3	81.0		1.6	
": 5-4	1'-5'	50n.8	27.3	?3.5		1.0	
1:5-5	5'-6'	Sarrie	35.3	83.7		1./	
							760
							+
4.		•				İ	

NOTE: METHOD OF SAMPLING: THIN-WALLED TUBE SAMPLING OF SOILS, ASTN D 1587 SAMPLER, 2", OD THIN-WALLED SEAMLESS OPEN-TUBE TYPE WITH A SHARP CURRING EDGE. DEPTH IS MEASURED FROM EXIST GRADE . WATER CONTENT IS PERCENT OF DRY WT. DENSITY IS LOS PER CU FT. UNCONFINED COMPRESSIVE STRENGTH IS YONS PER SQ FT., * INDICATES A CALIBRATED HAND PENETROMETER. % COMPACTION BASED ON MAXIMUM DRY DENSITY OF PCF ACCORDING TO ASTM D 1557 OR 698 ESTIMA

COOPERATIVE EXTENSION SERVICE 799 Roosevelt Road -- Building #4 - Suite 320 Glen Ellyn, Illinois 60137

Telephone: 469-2467

LAWN SOIL TEST REPORT

Name Flexible Steel Lacing Company	Date April 13, 1972
Address 2525 Wisconsin - Downers Grove	e, Illinois 60515
Sample New Lawn	Sample
ACIDITY TE	ST (pH)
Alkaline Neutral Acid	Alkaline Neutral Acid
Applylbs ofper 1000 sq ft	Apply
No pH correction needed	No pH correction needed
Pi-Available Phosphate P2-Reserve &	
Surplus Sufficient	Surplus Sufficient
Silghtly Deficient Moderately Deficient	Slightly Deficient Moderately Deficient
Extremely Deficient 10-0- Levels are satisfactory. Follow one	Extremely Deficient Levels are satisfactory. Follow one
of the maintenance programs suggested on pages 4 and 5 of KEEPING A LAWN. Apply 15 pounds of a 12-12-12 analysis fertilizer per 1000 square ft.	of the maintenance programs suggested on pages 4 and 5 of KEEPHNG A LAWN. Apply pounds of a analysis fertilizer per 1000 square ft.

The first number of the fertilizer analysis refers to the percentage of (N) Nitrogen, the second to (P_2O_5) Phosphate, and the third to K (Potash). If not available, use a similar analysis.

12-025

SOIL ACIDITY OR ALKALINITY

--in the lawn is not as important as in other areas as flower beds, vegetable gardens or shrubbery plantings. Grass is quite tolerant of a wide range of pH readings, therefore we do not recommend lime or sulfur remedies unless the situation is severe and grass is not established.

If lime or sulfur is recommended for a new lawn, it should be broadcast and mixed into the top 6 inches of soil before the lawn is seeded or sodded.

Once the turf is established a top dressing of lime or sulfur would be of little practical value.

PHOSPHORUS AND POTASSIUM

Phosphorus is particularly important in establishing a good turf. If a phosphate or potash material is suggested for your new lawn, broadcast it and work it into the soil to a 6-inch depth along with the lime or sulfur (if required).

After grasses are established nitrogen shows the greatest response. A regular maintenance fertilization program will supply adequate amounts of this nutrient and keep the phosphate and potash levels up as well.

ADDITIONAL INFORMATION

	See pages 9 and 10 of "Starting A Lawn" for recommendations on working the soil and starter fertilizers.
	See pages 4 and 5 of "Keeping A Lawn" for maintenance fertilize programs. General comments on fertilizing, pages 3 to 7 sum up

APPLY 15 POUNDS OF A 12-12-12 ANALYSIS FERTILIZER PER THOUSAND SQUARE FEET. THIS SHOULD BE APPLIED BEFORE SEEDING BY DISKING OR ROTOTILLING IT IN. YOUR SOIL IS ALKALINE AND THIS CAN BE CORRECTED BY APPLYING 10 POUNDS OF SULFUR PER 1000 SQUARE FEET.

the fertility situation very well.

I hope that this information is helpful to you. If you have any questions please feel free to call.

1. E. Schmidt

Extension Adviser, Agriculture

11.

Other lawn publications available from our office: C873 - Lawn Weeds: Identification and Control

NC12 - Lawn Diseases

U. S. D. A. - University of Illinois at Urbana-Champaign - Coilege of Agriculture -DuPage County Cooperating

SOIL TEST REPORT

No. 47391 PAGE

,

 	County			Samp	Samples brought in by					
				Date:	(receive	NU-AG		04/72 ested)		
TENANT_	FLEXIBLE STEEL				amples tested by NU-AG, INC.					
OWNER _					ADDRESS					
CHARGE_ TO	DUPAGE CO									
	ACIDITY				PHOSPHORUS POTASS					
Field and sample No.	% Organic Matter	Li	Lime need	P1 test for available only	P2 test for ava		K Test	Rating		
		7.9		37	101		428			
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Limeston	e Recomme						•			
Rock Pho	osphate Rec	ommendat	tions:							
Potash R	ecommendo	ations:								
Signatur	e of Qualif	ied Soil Te	chnician				·			

Title_

SOIL TESTING SERVICES



GEOTECHNICAL AND MATERIALS ENGINEERS

SUBSURFACE EXPLORATION

for the
Proposed Plant Addition
at Flexible Steel Lacing Company
2525 Wisconsin Avenue
Downers Grove, Illinois

For

Flexible Steel Lacing Company 2525 Wisconsin Avenue Downers Grove, Illinois

By

SOIL TESTING SERVICES, INC.
111 Pfingsten Road
Northbrook, Illinois 60062

STS Job No. 10222-B

October 28, 1981



SOIL TESTING SERVICES, INC

111 PFINGSTEN ROAD P.O. BOX 1009 NORTHBROOK, ILLÍNOIS 60062 PHONE Chicago 312-273-5440 Northbrook 312-272-6520

Flexible Steel Lacing Company 2525 Wisconsin Avenue Downers Grove, Illinois 60615

Attention:

Mr. Alfred E. Gladding

STS Job No. 10222-B

Reference:

Subsurface Exploration for the Proposed Plant Addition at Flexible Steel Lacing Company, 2525 Wisconsin Avenue, Downers Grove, Illinois

Gentlemen:

We have completed our subsurface exploration in accordance with your authorization. This report presents the results of the exploration program, along with our geotechnical engineering evaluation of the soil conditions as they relate to the proposed project. In our exploration program, six (6) soil borings were performed. The logs of these borings, along with a location diagram, are included with this report.

In summary, shallow spread footing foundations extending to the natural very stiff to hard silty clay can be utilized for the support of the proposed structure. Detailed recommendations along with pertinent comments concerning construction difficulties and long-term performance are included in the body of the report.

If there are any questions with regard to the information or recommendations contained in this report, or if we may be of further service to you, please do not hesitate to contact us.

Very truly yours,

SOIL TESTING SERVICES, INC.

An-Bin Huang

Assistant Project Engineer

Robert G. Lukas, P.E. Principal Engineer

/mas

INTRODUCTION

We have completed the subsurface exploration for the proposed plant addition at Flexible Steel Lacing Company, 2525 Wisconsin Avenue, Downers Grove, Illinois, as per your authorization. This report presents the results of the six (6) soil borings, along with our evaluation of the soil conditions as they relate to the proposed project.

We understand that the proposed construction will be a one-story building without a basement. Relatively light column loads are expected. The proposed floor load is to be on the order of 200 psf. The proposed floor slab grade will be at the same as that of the existing portion of the plant. A loading dock will be constructed on the Wisconsin Avenue side of the building.

The purposes of this report are to (1) describe the soil conditions at the boring locations, (2) recommend the most suitable foundation system for the proposed structure and (3) discuss specific construction problems directly related to the installation of the recommended foundation system.

The conclusions and recommendations contained in this report have been based on six (6) soil borings extending to a maximum depth of 27 ft, laboratory testing and engineering analysis. The results of the soil borings, along with a boring location diagram, are enclosed with this report.

SUBSURFACE EXPLORATION PROCEDURES

The soil borings were selected and located in the field by the owner. The soil borings were performed with a truck mounted auger drilling rig, which utilized continuous flight augers to advance the bore holes. Drilling fluid was not used in this process.

Representative soil samples were obtained by means of the shelby tube sampling procedure in general conformance with ASTM Specification D~1587 (see enclosure). In the shelby tube sampling procedure, a thin-walled, steel seamless tube with a sharp cutting edge is pushed hydraulically into the soil and a relatively undisturbed sample is obtained.

A field log of the soils encountered in the borings was maintained by the drill crew. All soil samples obtained from the drilling operations were sealed immediately in the field and brought to our laboratory for further examination and testing.

LABORATORY TESTING PROGRAM

The laboratory testing program consisted of performing water content and hand penetrometer tests on a portion of the representative soil samples obtained. In the hand penetrometer test, the unconfined compressive strength of a cohesive soil is estimated by measuring the resistance of the soil sample to penetration by a small, spring-calibrated cylinder.

In conjunction with the laboratory testing program, the soil samples were examined in the laboratory and classified on the basis of texture and plasticity in accordance with the Unified Soil Classification System. The soil descriptions on the boring logs are in conformance with this system and the estimated group symbol according to this system is included in parentheses following the soil descriptions on the boring logs. A brief explanation of this system of classification is included with this report.

Additional comments with regard to the preparation of final boring logs from the field logs and laboratory test data are described on the sheet entitled: "Procedures Regarding Field Logs, Laboratory Data Sheets and Samples", which is included with this report.

SITE AND SUBSURFACE CONDITIONS

The project site is located to the west of the existing plant and is currently vacant. The central portion of the proposed building area is heavily wooded with bushes and trees. Ground surface elevations at each boring location were taken. These elevations are referred to the surface of the floor slab within the existing plant where the elevation was assumed to be at 100.0. The existing ground surface sloped down toward the north with elevations changing from 109.1 to 96.4.

Roughly I ft of clayey topsoil was encountered immediately below the ground surface in most of the borings. At Boring B-5, 4.5 ft of clay fill underlain with 1 ft of clayey topsoil was found from below the ground surface. This clay fill is associated with a localized pile of fill in the area of Boring B-5. The ground surface at B-5 is 5 ft higher

than at B-6. Underlying the fill and topsoil, natural, very stiff to hard silty clay was predominately encountered and extended to a maximum depth of 27 ft below existing grade in all the borings. Occasional layers of natural, medium to stiff silty clay and clayey silt with thickness in the range of 2 to 5 ft were noted in Borings B-2 and B-4. However, the lower strength of the clayey soils indicated in Boring B-4 is likely due to the disturbance of soil samples.

GROUND WATER TABLE CONDITIONS

Water level measurements were taken immediately after the boring operations. These readings varied considerably from 1.5 ft to as much as 7.5 ft below the existing grade. The shallower readings appear to be associated with the surface water accumulated in the bore hole. Where cohesive soils were encountered, a fairly long time is required for the ground water to seep into the bore holes and attain an equilibrium position with the water table. At the present time the water table is probably higher than normal due to the large amount of rainfall, so the readings at 7.5 ft will be an accurate but temporary level. Based upon the change in soil color from brown to gray, it appears that the long-term hydrostatic ground water table would be located at roughly elevation 83 to 85. Flucutaions in the location of the long-term hydrostatic ground water table are normal and may occur throughout the year, depending upon variations in precipitation, evaporation, and surface runoff.

ANALYSIS AND RECOMMENDATIONS

Foundations

Based upon the available soil and structural information, we recommend that shallow spread footing foundations be utilized for the support of the proposed structure. All footing foundations should be extended through the existing fill and topsoil, and be supported on the underlying natural, very stiff to hard silty clay. For footings so situated, a net allowable soil bearing pressure of 4000 psf is recommended. The net allowable soil bearing pressure which may be transmitted to the foundation soil in excess of the final minimum surrounding overburden pressure.

In order to provide adequate frost cover protection, it is recommended that the perimeter footings of heated areas be located at a minimum depth of 3.5 ft below finished grade and that footings in non-heated areas be located at a minimum depth of 4 ft below finished grade.

In order to prevent disproportionately small footing sizes, it is recommended that continuous footings have a minimum width of 1.5 ft and that isolated column footings have a minimum lateral dimension of 2.5 ft.

Considering the existing grade of the site in relation to the proposed floor slab level, it appears that a maximum of roughly 4 ft of new fill will be placed in the northern portion of the proposed building area. At the south end of the proposed building area, approximately 5 to 9 ft of soil will have to be removed to reach the design grade. The

fill placed adjacent to the foundation. Considering the magnitude of structural and earth loads involved, we estimate that the maximum total settlement will be on the order of % to % inch, with more settlement towards the north end of the proposed building.

Floor Slab-On-Grade

For the design and construction of the floor slab-on-grade, we recommend that all the vegetation, existing fill and topsoil be removed from the proposed floor slab-on-grade area. The new fill placed to attain the final floor slab grade should be free of organic matter and debris. This material should be placed in lifts not exceeding 9 inches in loose thickness and compacted to a minimum of 90% of the maximum density obtained in accordance with ASTM Specification D-1557, Modified Proctor Method. In areas where masonry partitions are to be supported directly on the floor slab or where floor loads exceed 500 psf, we recommend that the fill be compacted to a minimum of 95% of the above-referenced ASTM specification density. To minimize the effect of any differential settlement, the floor slabs-on-grade should be isolated from the structure foundation. Also, the proposed floor slab-on-grade should be properly reinforced to maintain the integrity of the slab should minor differential movement occur.

Some precautions should be undertaken in the proposed loading dock area on Wisconsin Avenue, where the loading dock walls will be exposed. To minimize additional lateral earth pressures on these loading dock walls due to frost action, we recommend that some insulation materail be placed between the wall and the fill placed within the interior floor slab area.

CONSTRUCTION CONSIDERATIONS

Serious problems due to ground water infiltration during footing excavations are not expected since they will be above the long-term ground water table and within relatively low permeability clay soils. However, significant quantities of surface water may accumulate during periods of heavy rain. Any water or loosened material at the base of the excavations should be removed immediately prior to the placement of foundation concrete or new fill.

Care should be exercised during the time of excavation and compaction in areas adjacent to the existing building not to undermine or damage the existing structures.

GENERAL QUALIFICATIONS

This report has been prepared in order to aid in the evaluation of this property and to assist the architect and/or engineer in the design of this project. The scope is limited to the specific project and location described herein, and our description of the project represents our understanding of the significant aspects relevant to soil and foundation characteristics. In the event that any changes in the design or location of the building (s) as outlined in this report are planned, we should be informed so the changes can be reviewed and the conclusions of this report modified or approved in writing by the soil and foundation engineer.

It is recommended that all construction operations dealing with earthwork and foundations be reviewed by an experienced soil engineer to provide information on which to base a decision whether the design requirements are fulfilled in the actual construction. If you wish, we would welcome the opportunity to provide field construction services for you during construction.

The analysis and recommendations submitted in this report are based upon the data obtained from the soil borings performed at the locations indicated on the location diagram and from any other information discussed in this report. This report does not reflect any variations which may occur between these borings. In the performance of subsurface explorations, specific information is obtained at specific locations at specific times. However, it is a well-known fact that variations in soil and rock conditions exist on most sites between boring locations and also such situations as ground water levels vary from time to time. The nature and extent of variations may not become evident until the course of construction. If variations then appear evident, it will be necessary for a re-evaluation of the recommendations of this report after performing on-site observations during the construction period and noting the characteristics of any variations.

Because of the possibility of these unanticipated subsurface conditions occurring, we recommend that a "changed condition" clause be provided in the contract both with the general contractor and in contracts with sub-contractors involved in the foundation and

earthwork construction. It is felt that the inclusion of this clause will permit contractors to give lower prices because they will not need to provide as much in contingencies as they normally would if equitable adjustment of changed conditions will minimize conflicts and litigation with the attendant delays and costs. Furthermore, by the immediate recognition and adjustment in contract price at the time any changed conditions are encountered, the immense problem of trying to recreate facts when litigation develops later is eliminated. A mediation/arbitration procedure is recommended in the event that the owner, contractor and professionals do not agree on the changed conditions at the moment they are disclosed. If you wish, we would be pleased to furnish additional information pertaining to this procedure. A suggested wording for a change condition is given in the Appendix.

APPENDIX

- Standard Clause for Unanticipated Subsurface Conditions
- 2. Location Diagram
- 3. General Notes
- Procedures Regarding Field Logs,
 Laboratory Data Sheets and Samples
- 5. Boring Logs
- 6. ASTM Specification

D 1587-67

7. Unified Soil Classification System

13

Standard Clause for Unanticipated Subsurface Conditions

"The owner has had a subsurface investigation performed by a foundation consultant, the results of which are contained in the consultant's report. The consultant's report presents his conclusions on the subsurface conditions based on his interpretation of the data obtained in the investigation. The contractor acknowledges that he has reviewed the consultant's report and any addenda thereto, and that his bid for earthwork operations is based on the subsurface conditions, as described in that report. It is recognized that a subsurface investigation may not disclose all conditions as they actually exist and further, conditions may change, particularly groundwater conditions, between the time of a subsurface investigation and the time of earthwork operations. In recognition of these facts, this clause is entered in the contract to provide a means of equitable additional compensation for the contractor if adverse unanticipated conditions are encountered and to provide a means of rebate to the owner if the conditions are more favorable than anticipated.

At any time during earthwork, paving and foundation construction operations that the contractor encounters conditions that are different than those anticipated by the foundation consultant's report, he shall immediately (within 24 hours) bring this fact to the owner's attention. If the owner's representative on the construction site observes subsurface conditions which are different than those anticipated by the foundation consultant's report, he shall immediately (within 24 hours) bring this fact to the contractor's attention. Once a fact of unanticipated conditions has been brought to the attention of either the owner or the contractor, and the consultant has concurred, immediate negotiations will be undertaken between the owner and the contractor to arrive at a change in contract price for additional work or reduction in work because of the unanticipated conditions. The contractor agrees that the following unit prices would apply for additional or reduced work under the contract. For changed conditions for which unit prices are not provided, the additional work shall be paid for on a time and material basis."

Another example of a changed conditions clause can be found in paper No. 4035 by Robert F. Borg published in ASCE Construction Division Journal, No. CO2, September 1964, page 37.

SOIL BORING LOCATION DIAGRAM
PROPOSED PLANT ADDITION for
FLEXIBLE STEEL LACING Company
2525 WISCONSIN AVE, DOWNERS GROVE, ILL



75AL# | 80 12

SOIL TESTING SERVICES, INC.

111 PFINGSTEN ROAD

NORTHBROOK ILLINOIS 60062

MP | ABH | 10-19-1981 | 10222 - B

GENERAL NOTES

DRILLING & SAMPLING SYMBOLS:

S S	:	Split Speen - 1 3/8" LD., 2" O.D.	05	:	Ostacherg Sampler - 3" Shelby Tube
		Unions otherwise noted	HS	ı	Hollow Stem Auger
ST	t	Shelby Tube - 2: O.D.,	WS.	:	Vash Semple
••	•.	Unions otherwise noted	FT		Fish Tail
PA	1	Power Auger	-RB	:	Rock Bit
06		Diamond Bit - NX, BX, AX	85	:	Bulk Sample
ĀŠ	•	Auger Sample	PM:	:	Pressuremeter Test, In-Situ
13		Jar Sample	GS	:	Giddings Sampler
٧S	1	Vane Shear			.

Standard "N" Penetrations Slows per foot of a 140 pound hammer falling 30 inches on a 2 inch O.D. split spoon sampler, except where otherwise noted.

WATER LEYEL MEASUREMENT SYMBOLS:

WL. :	Water Level	VCI : 1	Fet Cave in
W\$ 1	While Sampling		Dry Cave in
AD:	While Drilling	5CR : 1	Secore Casing Removal
AB: r	After Boring	ACR: /	After Casing Removal

Water levels indicated on the boring logs are the levels measured in the boring at the times indicated. In pervious: soils, the indicated elevations are considered reliable groundwater levels. In impervious soils, the accurate determination of ground water elevations may not be possible, even after several days of observations; additional evidence of ground water elevations must be sought.

GRADATION DESCRIPTION & TERMINOLOGY:

Coarse Grained or Granular Soils have more than 50% of their dry weight retained on a #200 sleve; they are described are boulders, colibles, gravel or send. Fine Grained soils have less than 50% of their dry weight retained on a #200 sleve; they are described as clays or clayer silts if they are cohesive and silts if they are non-cohesive. In addition to gradation, granular soils are defined on the basis of their relative in-place density and fine grained soils on the basis of their strength or consistency and their planticity.

Major Component Of Sample	Size Range	Descriptive Term Of Components Also Present in Sample	Percent Of Dry Weight
Boulders	Over 4 in. (200 mm)	Trace	1 - 9
Cobbles	1 inches to 3 (niches (206 mm to 75 mm)	Little	10 - 19
Gravel	3 inches to 84 sieve (75 mm to 4,76 mm)	Some	20 - 34
Sand	#4 to #200 sieve (4.76 mm to 0.074 mm)	And	35 - 50
Sit	Passing #200 sieve (0.074 mm to 0.005 mm)		
Clay	Smaller than 0.003 mm		

CONSISTENCY OF COHESIVE SOILS: RELATIVE DENSITY OF GRANULAR SOILS:

Uncomfined Compressive Strength, Qu, tot	Consistency	N - Blows per ft.	Relative Density
< 0.25	Very Saft	0 - 3' '	Yery Loose
0.25 - 0.49	Satt	4 - 9	Loose
0.30 - 0.99	Medium (Firm)	10 - 29	Medium Dense
1.00 - 1.99	Staff	30 - 49	Dense '
2.00 - 3.99	Very Stiff	30 - 80	Very Dense
4.00 - 4.00	Hard	20+	Extremely Dense
> 8.00	Yery Herd	•	

PROCEDURES REGARDING FIELD LOGS,

LABORATORY DATA SHEETS AND SAMPLES

In the process of obtaining and testing samples and preparing this report, procedures are followed that represent reasonable and accepted practice in the field of soil and foundation engineering.

Specifically, field logs are prepared during performance of the drilling and sampling operations which are intended to portray essentially field occurrences, sampling locations and other information.

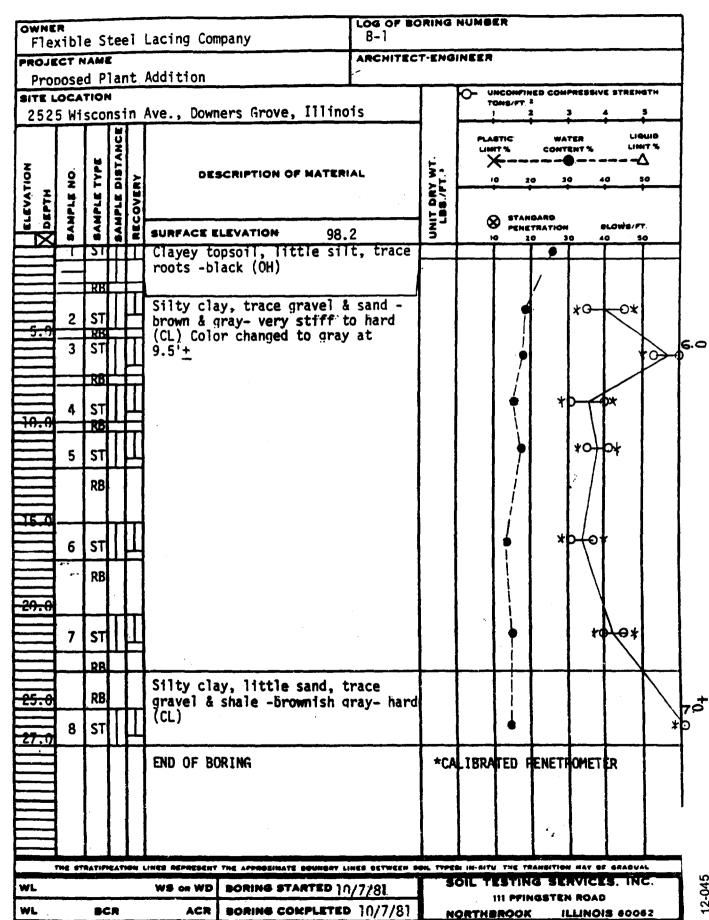
Samples obtained in the field are frequently subjected to additional testing and reclassification in the laboratory by more experienced soil engineers, and differences between the field logs and the final logs exist.

The engineer preparing the report reviews the field and laboratory logs, classifications and test data, and in his judgement in interpreting this data, may make further changes.

Samples taken in the field, some of which are later subjected to laboratory tests, are retained in our laboratory for sixty days and are then destroyed unless special disposition is requested by our client. Samples retained over a long period of time, even in sealed jars, are subject to moisture loss which changes the apparent strength of cohesive soil, generally increasing the strength from what was originally encountered in the field. Since they are then no longer representative of the moisture conditions initially encountered, an inspection of these samples should recognize this factor.

It is common practice in the soil and foundation engineering profession that field logs and laboratory data sheets not be included in engineering reports, because they do not represent the engineer's final opinions as to appropriate descriptions for conditions encountered in the exploration and testing work. On the other hand, we are aware that perhaps certain contractors and subcontractors submitting bids or proposals on work might have an interest in studying these documents before submitting a bid or proposal. For this reason, the field logs will be retained in our office for inspection by all contractors submitting a bid or proposal. We would welcome the opportunity to explain any changes that have and typically are made in the preparation of our final reports, to the contractor or subcontractors, before the firm submits its bid or proposal, and to describe how the information was obtained to the extent the contractor or subcontractor wishes. Results of laboratory tests are generally shown on the boring logs or are described in the text of the report, as appropriate.

The descriptive terms and symbols used on the logs are described on the attached sheet, entitled, General Notes.



RIG AUGET FOREMANM. B.

APP'D BY ABH/mg STS JOB NO. 10222-B

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	TONGUET 3	rs Grove, Illinois	SITE LOCATION 2525 Misconsin Ave., Downers
	*	ARCHITECT:	PROJECT NAME Promosed Plant Addition
		8-5	Flexible Steel Lacing Company
	BORING NUMBER	LOG OF BOR	

Flexible SITE LOCATION 2525 Wiscon ELEVATION ٤ ROJECT NAME Proposed Plant DEPTH Wisconsin a J 4 SAMPLE NO. 2 S 25 TS FS 2 2 8 Steei SAMPLE TYPE Ç **BAMPLE DISTANCE ၁** Hrs. RECOVERY Lacing Ave., Addition gravel Silty shale Silty Ä S hard moots SURFACE ELEVATION 9 WS OF WD 11 ty B 윾 **VCM** <u>6</u> clay, 1 clay, tr -brown-Downers റ Clayey topsoil, Company DESCRIPTION OF MATERIAL BORING **3**0 lay, little sand, & shale -brown & (BORING COMPLETED BORING STARTED 300 trace (1- hard trace dravel, & gray-very Grove, Auger grayd (CL-CH) 104.8 Illinois FOREMAN little silt, , trace sand a 10/7/81 sand 8-6 ARCHITECT-ENGINEER 10/7/81 .B. hard and BORING NUMBER trace UNIT DRY WT. APP'D BY SOIL TESTING SERVICES. NORTHBROOK sand . IBRA ABH/ms 8 TED III PPINGSTEN ROAD and ENETHOMET Toot: STS JOB NO. FINOIS 5 ð Ĉ 꿈 10012 10222-8 THC. 3 70 700 40 70+ 12-050

AMERICAN SOCIETY FOR TESTING AND MATERIALS

1916 Race St., Philadelphia, Pa. 19103

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Standard Method for

THIN-WALLED TUBE SAMPLING OF SOILS1



ASTM Designation: D 1587 - 67

This Standard of the American Society for Testing and Materials is issued under the fixed designation D 1587; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval.

1. Scope

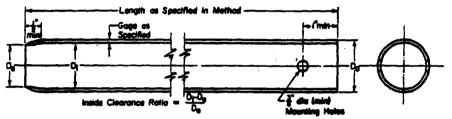
1.1 This method describes a procedure for using a thin-walled metal tube to recover relatively undisturbed soil samples suitable for laboratory tests. It is intended as a guide to more complete specifications to meet the needs of a particular job.

1.2 There are, in general, two types of samplers that use thin-walled tubes for sampling, namely, open-tube samplers, and piston samplers.2 In general, piston samplers are better and can be used in almost all soils. Since the thin-walled tube requirements are the same for both types of samplers, the method described applies equally to both.

2. Apparatus

2.1 Drilling Equipment-Any drilling equipment may be used that provides a reasonably clean hole before insertion of the thin-walled tube; that does not disturb the soil to be sampled, and that can effect continuous and rapid penetration of the tube into the sampled soil.

2.2 Thin-Walled Tubes-Thin-walled tubes 2 to 5 in. (50.8 to 127 mm) in outside diameter and made of any materials



Nors 1—Minimum of two mounting holes on opposite sides for 2 to 3½ in. sampler.

Nors 2—Minimum of four mounting holes spaced at 90 deg for samplers 4 in. and larger.

Nors 3—Tube held with hardened screws.

TABLE OF METRIC EQUIVALENTS.

is.	22	•
3/4 3/4	6.77 12.7 25.4	1.27 2.54 5.08 8.89 10.16

Fm. 1-Thin-Walled Tube for Sampling.

having adequate strength and resistance to corrosion will be satisfactory (Fig. 1). Adequate resistance to corrosion can be provided by a suitable coating. Sizes other than these may be used, if specified.

2.2.1 Tubes shall be of such a length that between five and ten times the diameter is available for penetration into sands and between ten and fifteen diameters is available for penetration into clays. Tubes shall be round and smooth, without bumps, dents, or scratches. They shall be clean, and free from rust and dirt. Seamless or welded tubes are permissible, but welds must not project at the seam. The cutting edge shall be machined as shown in Fig. 1 and shall be free from

TABLE 1—SUITABLE THIN-WALLED STREL SAMPLE TUBES.*

Outside diameter:			
in	2	3	5
mm	50.8	76.2	127
Wall thickness:			
Bwg	18	16	11
is		0.065	0.120
Man	1.24	1.65	3.05
Tube length:			
in	36	36	54
15	0.91	0.91	1.45
Clearance ratio.			
per cent	1	1	1

The three diameters recommended in Table 1 are indicated for purposes of standardi-sation, and are not intended to indicate that sampling tubes of intermediate or larger diametere are not sessuitable. Lengths of tubes shown are illustrative. Proper lengths to be determined as suited to field conditions.

for Engineering Purposes. A list of members may be found in the ASTM Year Book. Current edition issued Oct. 20, 1967. Orig-inally issued 1968. Replaces D 1887 - 63 T. § Hyorsley. M. J., Surface Exploration and Sampling of Soils for Civil Engineering Purposes, The Engineering Foundation, 346 East 47th St., New York, N. Y. 10017.

Under the standardisation procedure of the sty, this method is under the jurisdiction of e ASTM Committee D-18 on Soil and Rock for Engineering Purposes. A list of members may

between 0.5 and 3 per cent.

- 2.2.2 Two vent holes (# in. (9.1 mm) minimum) shall-be provided in the sampler head. A coupling head with a check valve and a minimum of 0.6 in.2 (3.9 cm2) venting to outside above check valve shall be used. Table 1 shows the dimensions of suitable thin-walled sample tubes.
- 2.3 Sealing Wax—Any wax shall be permitted for sealing that does not have appreciable shrinkage, or does not permit evaporation from the sample. Microcrystalline waxes are preferable to paraffin. Thin disks of steel or brass that are slightly smaller than the inside diameter of the tube are desirable for plugging both ends before sealing with wax. Cheesecloth and tape are needed. Suitable expanding packers may be used.
- 2.4 Accessory Equipment - Labels. data sheets, shipping containers, and other necessary supplies.

3. Procedure

- 3.1 Clean out the hole to sampling elevation using whatever method is preferred that will ensure that the material to be sampled is not disturbed. In saturated sands and silts withdraw the drill bit slowly to prevent loosening of the soil around the hole. Maintain the water level in the hole at or above ground water level. ...
- 3.2 The use of bottom discharge bits shall not be allowed but, any side discharge bit is permitted. The procedure of jetting through an open-tube sampler to clean out the hole shall not be allowed.
 - 3.3 With the sampling tube resting on

- nicks. The inside clearance ratio shall be the bottom of the hole and the water level in the boring at the ground water level or above, push the tube into the soil by a continuous and rapid motion, without impact or twisting. In no case shall the tube be pushed further than the length provided for the soil sample. Allow about 3 in. (75 mm) in the tube for cuttings and sludge.
 - 3.4 When the soils are so hard that a pushing motion will not penetrate the sampler sufficiently for recovery, and where recovery by pushing in sands is poor, use a driving hammer to drive the sampler. In such a case, record the weight, height, and number of blows. Before pulling the tube turn it at least two revolutions to shear the sample off at the bottom.
 - 3.5 Repeat the sampling procedures described at intervals not longer than 5 ft (1.5 m) in homogeneous strata and at every change of strata.

4. Preparation for Shipment

4.1 Upon removal of the sampler tube. measure the length of sample in the tube and also the length penetrated. Remove disturbed material in the upper end of the tube before applying wax and measure the length of sample again. After removing at least 1 in. (25 mm) of soil from the lower end, and after inserting an impervious disk, seal both ends of the tube with wax applied in a way that will prevent wax from entering the sample. Where tubes are to be shipped some distance, tape the ends to prevent breakage of the seals. It is advisable to place chessecioth around the ends after sealing and dip the ends several times in the melted wax.

- 4.2 Affix labels to the tubes giving job designation, sample location, boring number, sample number, depth, penetration, and recovery length. Record a careful description of the soil, noting composition, structure, consistency, color, and degree of moisture. Mark the tube and boring numbers in duplicate.
- 4.3 Do not allow tubes to freeze, and store in a cool place out of the sun at all times. Ship samples protected with suitable resilient packing material to reduce shock, vibration, and disturbance.
- 4.4 Using soil removed from the ends of the tube, make a careful description giving composition, condition, color and, if possible, structure and consistency.

5. Report

- 5.1 Data obtained in borings shall be recorded in the field and shall include the following:
 - 5.1.1 Name and location of job,
 - 5.1.2 Date of boring-start, finish,
- 5.1.3 Boring number and coordinate, if available.
 - 5.1.4 Surface elevation, if available,
 - 5.1.5 Sample number and depth,
- 5.1.6 Method of advancing sampler, penetration and recovery lengths,
 - 5.1.7 Type and size of sampler,
 - 5.1.8 Description of soil,
 - 5.1.9 Thickness of layer,
- 5.1.10 Depth to water surface; to loss of water; to artesian head; time at which reading was made,
 - 5.1.11 Type and make of machine,
- 5.1.12 Size of casing, depth of cased hole.
 - 5.1.13 Names of crewmen, and
 - 5.1.14 Weather, remarks.

UNIFIED SOIL CLASSIFICATION SYSTEM

	Major divisions Group symbols Typical names				Typical names	Laboratory classification criteria
4		ion	Clean gravels (Little or no fines)	GW	Well-graded gravels, gravel-sand mixtures, little or no fines	$C_{u} = \frac{D_{60}}{D_{10}}$ greater than 4; $C_{c} = \frac{(D_{30})^{2}}{D_{10} \times D_{60}}$ between 1 and 3
		Gravels if of coarse fracti No. 4 sieve size	Clean (Little or	GP	Poorly gradert gravels, gravel- sand mixtures, little or no fines	Not meeting all gradation requirements for GW
	O sieve size)	Gravels (More than half of coarse fraction larger than No. 4 sieve size	ith fines le amount ves)	GM u	Silty gravels, gravel-sand-silt mixtures	Atterberg limits below "A" No.
	Coarse-grained soils al is <i>larger</i> than No. 20	(More	Gravels with fines (Appreciable amount of fines)	GC	Clayey gravels, gravel-sand-clay mixtures	Above "A" line with P.I. between 4 and 7 are barderline cases requiring use of dual symbols Atterberg limits above "A" of dual symbols Atterberg limits above "A" of dual symbols Description of dual symbols Cu = Description of dual symbols Cu = Description of dual symbols
	Coarse grained soils (More than half of material is larger than No. 200 sieve size)	ation ize)	Clean sands (Little or no fines)	sw	Well-graded sands, gravelly sands, little or no fines	Not meeting all gradation requirements for GW Atterberg limits below "A" line or P.I. less than 4 Above "A" line with P.I. between 1 and 3 Atterberg limits above "A" line with P.I. between 4 and 7 are borderline cases requiring use of dual symbols Atterberg limits above "A" line with P.I. greater than 7 Atterberg limits above "A" line with P.I. between 1 and 3 Atterberg limits above "A" line with P.I. greater than 7 Atterberg limits above "A" line with P.I. greater than 7 Atterberg limits above "A" line with P.I. between 1 and 3 Atterberg limits below "A" line with P.I. between 4 and 7 are borderline cases requiring use of dual symbols Atterberg limits below "A" line with P.I. between 4 and 7 are borderline cases requiring use of dual symbols
7	n half of ma	Sends (More then half of coerse frection is smaller then No. 4 sleve size)	Clean (Linte or	SP	Poorly graded sands, gravelly sands, little or no fines	Not meeting all gradation requirement for SW
	(More than	Ser re then half o maller than I	Sands with fines (Appreciable amount of fines)	SM d	Silty sends, send-silt mixtures	Atterberg limits below "A" Limits plotting in hetched zone with P.I. between 4 and 7 are berderline cases requiring use of duel symbols. Atterberg limits above "A" line with P.I. greater than 7
		7074) 18 81	(Appreciable of fines)		Clayey sends, send-clay mix- tures	and 7 are borderline cases requiring use of duel symbols. Atterberg limits above "A" bols.
			(09 um	ML	Inorganic silts and very fine sands, rock flour, silty or clay- ey fine sands or clayey silts with slight plasticity	80
	200 sleve)	Silts and clays (Liquid limit less than 50)		CL	inorgenic clays of low to me- dium plasticity, gravelly clays, sendy clays, silty clays, leen clays	For classification of fine-grained soils and fine fraction of coerse-grained soils. Atterberg Limits plotting in hatched area are borderline classifications requiring use of duel
	oils or than No.		(Liquid	OL	Organic silts and organic silty clays of low plasticity	40 symbols.
	Fine-grained soils material is smaller than No.	HW 50)		МН	Inorganic silts, miceceaus or diatomeceaus fine sandy or silty soils, elestic silts	PI=0.73 (LL - 20) O
	Fi n half of ma	ore than half of meterial is am Sitts and clays (Liquid limit graster than 50)		СН	Inorganic clays of high plas- ticity, fat clays	10 7
	(More than half of	(Liquid I		ОН	Organic clays of medium to high plasticity, organic silts	0 10 20 30 40 50 60 70 80 90 100
		Highly	organic soils	Pt	Peet and other highly organic soils	Plasticity Chart



STS Consultants Ltd. 835 Midway Drive Willowbrook, Illinois 60521 (312) 655-4540

October 5, 1982

Flexible Steel Lacing Company 2525 Wisconsin Avenue Downers Grove, Illinois 60515

Attention: Mr. Alfred E. Gladding

STS Job No. 10222-C

Reference: Hand Auger Borings on E Line for the Flexible Steel Lacing

Addition in Downers Grove, Illinois

Gentlemen:

On August 11, 1982, our representatives performed 7 hand auger borings at the locations indicated on the attached location diagram. The purpose of the soil borings was to determine the degree of compaction of the fill overlying the fire protection line trench that runs approximately 4 feet below the footings on E Line between Column lines 3 and 10.

Our laboratory testing program consisted of performing moisture contents, unit dry weight, and hand penetrometer tests on representative samples, relatively undisturbed samples obtained from the Shelby Tube samplers.

Silty clay, trace sand and gravel, brown and gray fill material was encountered in all 7 borings. Traces of topsoil were encountered in the fill in Borings No. 1, 2, and 4. Clayey topsoil was encountered in Boring No. 7 at a depth of 2.5 feet below subgrade elevation.

Dry unit weight tests which were perfomed on samples of the fill indicated that the degree of compaction in the field was in the range of 80% to 100% when compared to the optimum dry unit weight of 121.9 pounds per cubic foot (PCF) as obtained by ASTM D-1557. However, higher degree compactions were obtained at the surface where maximum effort was applied at the time of the placement of the fill material.

12

Flexible Steel Lacing Company October 5, 1982 Page Two

Based on the available information, we recommend that this poorly compacted material be removed and that the trench be filled with granular material in lifts not to exceed 9 inches in loose thickness and compacted to 95% of the maximum density obtained in accordance with ASTM D-1557, Modified Proctor Method. The zone of compacted fill should extend beyond the outside edges of the footings a minimum of 1 foot and from this point outward laterally 1 foot for each foot of fill thickness required beneath the footings. As a second alternative, we recommend removal of all fill material and low strength soil down to an approved natural soil capable of supporting 4000 pounds per square foot (PSF) design bearing pressure and placing the foundation at this deeper elevation.

On August 17 and 19, our representative observed soil conditions at the bottom of the overexcavated footings on E Line between Columns 3 and 10. The contractor removed all fill material, including the abandoned fire protection pipe line from footings E-4, 5, 6, 7, 8, and 9 to depths ranging from 5 to 7 feet below the existing subgrade elevation. Material at these depths consisted of natural brown silty clay with unconfined strength ranging from 2.5 to 4.5 TSF as was indicated by a calibrated pocket penetrometer. We recommended to the contractor that water and loose material should be removed prior to concrete placement.

If you have any questions with regard to the information and recommendations presented in this letter, please do not hesitate to contact us.

Very truly yours,

STS CONSULTANTS LTD.

Varoujan V. Kazanjian

Area Manager
Michael J. Russell

Michael T. Russell, P.E.

Principal Engineer

/et

encls.

cc: Ewald Associates Architects, Ltd.

457 Coventry Green

Crystal Lake, Illinois 60014 Attn: Mr. William H. Ewald

1/2

STS CONSULTANTS ITD.

JOP: 10222-C FLEYIELD STEEL LACING GO. DATE: 8-13-82 SOIL DESC: SILTY CLAY, TRACE SAND, CPAYFL-RPOUN(CL)

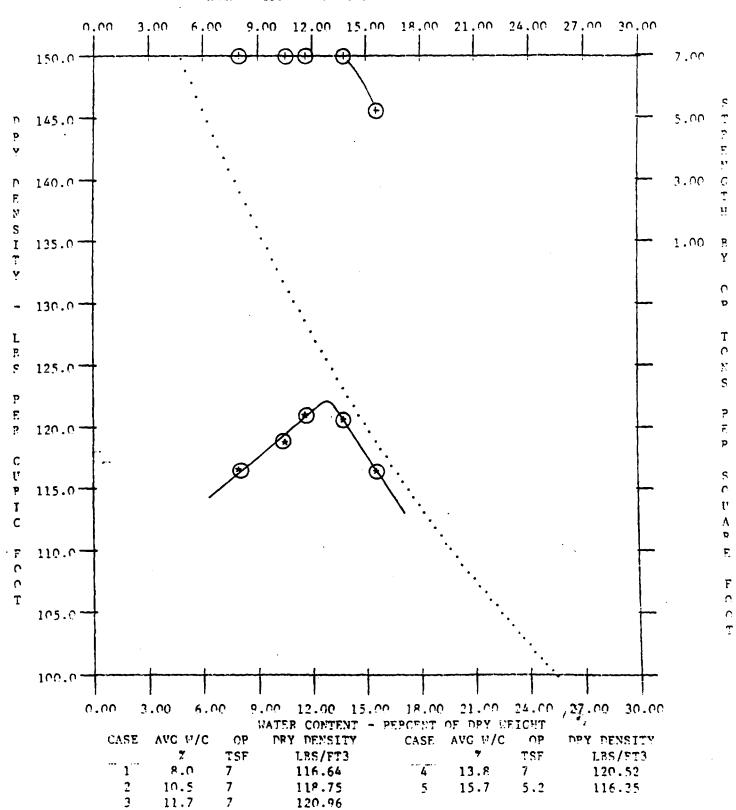
SAMPLE # 4

MATER CONTENT AS RECIP: 17.9 7

OBLIMIN DAL DENGLAR [a,j= 151.6 AVAIMON DAL DENGLAR LEGIJ= 151.6

- * PROCTOR RESULTS
- . ZEPC AIP VOID CUPYE FOR SC= 2.72
- + PENETPOMETER PESULTS-OP

MOISTURE-DEFSITY RELATION OF SOILS ASTM D 1557-70 MODIFIED PROCTOR METHOD A





SOIL TESTING SERVICES, Inc.

111 Pfingsten Road Northbrook, Illinois

STS Job No. 10222-C

SHELBY TUBE TEST DATA SUMMARY

lob Name and Location	Flexible Steel Lacing Company, Downers Grove, Illinois
Architect or Engineer	Ewald Associates Architects, Ltd, Crystal Lake, Illinois
_	Jenkins & Boller and Company, Downers Grove, Illinois
Contractor	benkins a botter and company, bowners drove, Trimors

TEST LOCATION	SAMPLE DEPTH SOIL DESCRIPTION		UNCONF STNQ * TSF	WATER CONTENT SORY WT	DRY OENS: TY PCF	PERCENT COMPACT	REMARK 8	
HA-1,	1, 3/11/82 2.0'- Silty clay, trace sand &			3.0-	17.1	116.2	95	Fill
S-1		3.0'	gravel - brown & slightly	3.7			,	
			gray, CL (top 1" black top-					
			soil)					
S-2	11	3.0'-	Silty clay, trace sand &	0.8-	19.5	110.5	91	Fill
		4.5'	gravel- brown & slightly	1.3				
			gray (CL))			
HA-2,	11	1.0'-	Silty clay, trace sand &	3.2-	19.1	112.6	92	Fill
S-1		2.0'	gravel & topsoil - brown &	4.5+				
			gray & slightly black (CL)					
			(horizontal seams of black					
 .	s:-	1	topsoil)	 				1
S-2	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2.0'-	Silty clay, trace sand &	1.1-	19.9	110.3	90	Fill
,		3.5'	gravel & topsoil - brown &	4.5+				
			gray & slightly black, (CL)					
•	<u> </u> 	<u> </u>		<u> </u>	ļ		<u> </u>	
S-3	, ,	į.	Silty clay, trace sand &	0.4-	21.2	103.3	85	Fill
	1	4.25	gravel - brown & slightly	1.25	 	<u> </u>	<u> </u>	
			gray (CL)		<u> </u>			

		<u>!</u> }			1	}	i	1 1	
NOTES:	TEST LOC	BHOITA	ARE ESTIMAT	TED. X SEE	ATTACHED	DRAWING.	THE BOUN	DARY BETWEE	N SOIL
TYPES !	6 ESTIMAT	ED AND	THE TRANSI	TION MAY BE	GRADUAL.	* UNCONFI	NED COMPR	ESSIVE STRE	NGTH 1
YIQP.	CALIBRATE	D HAND	PENETROMETI	ER. ∐QU,	LABORATORY	APPARATU	6. ** PÉÁ	CENT COMPAC	TION
BASED OF	MUMIKAM P	DRY DE	NEITY OF 1	21.9		PCF (X SEE A	TTÁCHED LAB	SHEET)
PERFORM	ED ACCORD	ING TO:	ASTM D	X 1557.	698. TES	TIMATED.	OTHER		
DEPTHS .	ARE ESTIM	ATED FR	OM (REFERE	vce): Subara	de elevati	on = 0.00			·
DRILLIN	METHOD:	TRU	CX MOUNTED	RIG. X HA	NO AUGER.	SAMPLING	METHOD:	THIN-WALLE	SBUT C
SAMPL I N	2 OF SOIL	s, ASTM	101587. S	SAMPLER 18	2" OD THIN	-WALLED S	EAMLESS O	PEN-TUSE TY	PE WITH
SHARP C	STTING ED	GE. WL	= WATER LE	EVEL DEPTH.	1 NOE = 8	NG. 5 =	SAMPLE.	SN = BROWN.	
GY = GR.	AY. SK =	BLACK .	TS = TCP	saul, er s	E CLAV. SI	# 611 T	EA = EAM	0 00 = 00	

Chicago Phone: 273-5440



SOIL TESTING SERVICES, Inc.

111 Pfingsten Road Northbrook, Illinois

	10222-0	2
STS	iob No.	

SHELBY TUBE TEST DATA SUMMARY

Job Name and Location Flexible Steel Lacing Company, Downers Grove, Illinois						
Architect or Engineer	Ewald Associates Architects, Ltd., Crystal Lake, Illinois					
Contractor	Jenkins & Boller and Company, Downers Grove, Illinois					

TEST LOCATION	SAMPLE DATE	DEPTH	SOIL DESCRIPTION	UNCONF STNG * TSF	WATER CONTENT SORY WE	DRY DENSITY PCF	PERCENT COMPACT ##	REMARKS
HA-3,	8/11/82	1.0'-	Silty clay, little sand,	5.7-	13.5	124.7	100+	Fill
S-1		2.5'	trace gravel - brown (CL)	6.2				
HA-4,	14	1.0'-	Silty clay, trace sand &	6.0-	15.8	119.3	98	Fill
S-1		1.5'	gravel - brown & slightly	7+				
			gray (CL)					
S-1A	11	1.5'-	Silty clay, trace sand &	2.8-	18.4	113.2	93	Fill
			gravel - brown (CL)	4.5+				
S-2	n .	2.5'-	Silty clay, trace sand &	1.25-	22.0	100.4	82	Fill
		3.0'	gravel & topsoil - brown (CL)	2.4				
- 								
S-3	II.	4.0'-	Silty clay, trace sand &	0.4-	22.6	97.5	80	Fill
		5.51	gravel - brown (CL)	0.8				
•	<u> </u>		(disturbed)					
HA-5,	1 11	1.5'-	Silty clay, trace sand &	3.5-	20.8	114.1	94	Fill
S-1		3.0'	& gravel & shale - brown &	5.3				
			grav (CL)					
المراجعة المساورة والمراجعة والمساورة والمساورة والمساورة والمراجعة والمساور				<u> </u>	1		1	

NOTES: TEST LOCATIONS ARE ESTIMATED. Y SEE ATTACHED DRAWING. THE BOUNDARY BETWEEN SOIL
TYPES IS ESTIMATED AND THE TRANSITION MAY BE GRADUAL. * UNCONFINED COMPRESSIVE STRENGTH.
QP, CALIBRATED HAND PENETROMETER. Qu, LABORATORY APPARATUS. ** PERCENT COMPACTION SASED ON MAXIMUM DRY DENBITY OF 121.9 PCF (A SEE ATTACHED LAB SHEET
SASED ON MAXIMUM DRY DENSITY OF 121.9 PGF (The see ATTACHED LAS SHEET
PERFORMED ACCORDING TO: ASTM D X 1557, 698, ESTIMATED, OTHER
DEPTHS ARE ESTIMATED FROM (REFERENCE): Subgrade elevation + 0.00'
DRILLING METHOD: TRUCK MOUNTED RIG. X HAND AUGER. SAMPLING METHOD: THIN-MALLED TUBE
SAMPLING OF SOILS, ASTM D 1587. SAMPLER IS 2" OD THIN-WALLED SEAMLESS OPEN-TUSE TYPE WIT
SHARP CUTTING EDGE. WL = WATER LEVEL DEPTH. 8 = SORING. S = SAMPLE. SN = BROWN.
GY = GRAY. SK = SLACK. TS = TOPSOIL. CL = CLAY. SI = SILT. SA = SANO. GR = GRAYEL.

Chicago Phone: 273-5440



SOIL TESTING SERVICES, Inc.

111 Pfingsten Road Northbrook, Illinois

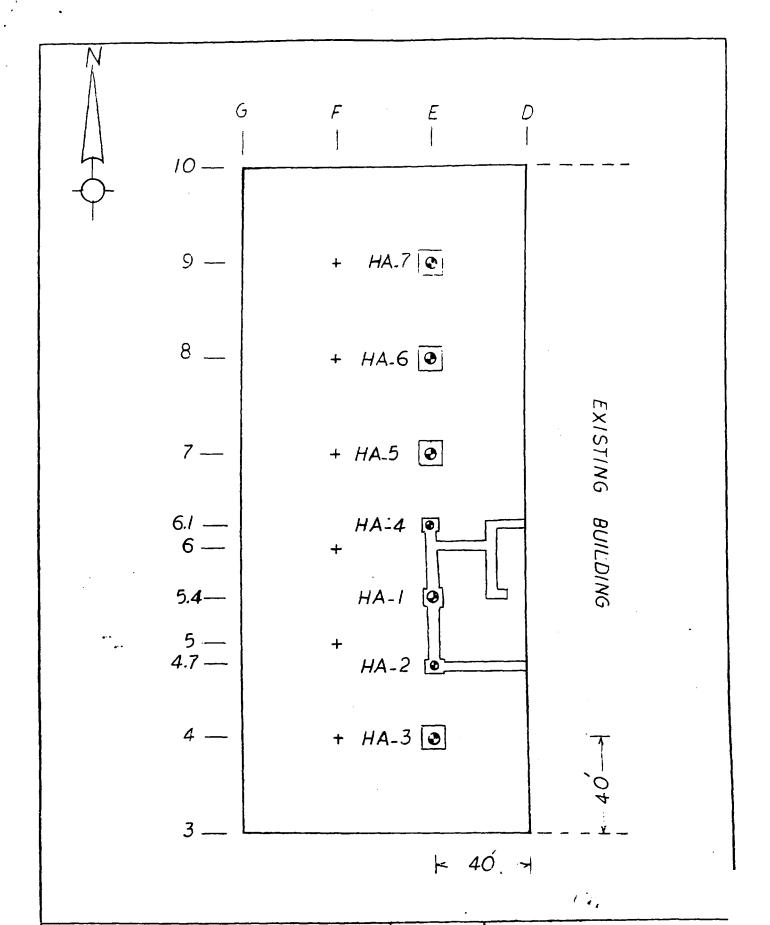
STS | Job No 10222-C

SHELBY TUBE TEST DATA SUMMARY

Job Name and Location	Flexible Steel Lacing Company, Downers Grove, Illinois						
	Ewald Associates Architects, Ltd., Crystal Lake, Illinois						
Contractor	Jenkins & Boller and Company, Downers Grove, Illinois						

TEST LOCATION	SAMPLE DATE	CEPTH	SOIL DESCRIPTION	UNCONF STNG * TSF	WATER CONTENT SORY WT	DRY DENSITY PCF	PERCENT COMPACT	1
HA-6,	8/11/82	1.0'-	Silty clay, little sand,	7+	16.0	121.5	100	Fill
S-1		2.5'	trace gravel - brown & gray					
			(CL)					
HA-7,	11	1.5'-	Silty clay, trace sand &	7+	13.3	121.6	100	Fill
S-1		2.5					<u> </u>	
			slightly gray (CL)					
S-1A	11	2.5'-	Clayey topsoil, little	7+	19.6	104.6	86	<u> </u> Fill
		3.0'	silt, trace roots - black					1
			(OH) (tip changing to					
			brown clay)					
					<u> </u>			1
···	1							1
·	<u> </u>			 			1	
•	1			-	-	-	1	
		<u> </u>		ļ				1
							<u> </u>	
					1			

NOTES: TEST LOCATIONS ARE ESTIMATED. A SEE ATTACHED DRAWING. THE BOUNDARY BETWEEN SOIL
TYPES IS ESTIMATED AND THE TRANSITION MAY SE GRADUAL. * UNCONFINED COMPRESSIVE STRENGTH:
QP, CALIBRATED HAND PENETROMETER. Qu, LABORATORY APPARATUS. ** PERCENT COMPACTION
BASED ON MAXIMUM DRY DENSITY OF 121.9 PCF ([X] SEE ATTACHED LAS SHEET)
PERFORMED ACCORDING TO: ASTM D 17, 1557. 1 698. STIMATED. TOTHER
DEPTHS ARE ESTIMATED FROM (REFERENCE): Subgrade elevation = 0.00
DRILLING METHOD: TRUCK MOUNTED RIG. THAND AUGER. SAMPLING METHOD: THIN-WALLED TUBE
SAMPLING OF BOILS, ASTM D 1587. SAMPLER IS 2" OD THIN-WALLED SEAMLESS OPEN-TUBE TYPE WITH
SHARP CUTTING EDGE. WL = WATER LEVEL DEPTH. B = BORING. S = SAMPLE. SN = BROWN.
GY = GRAY. BK = BLACK. TR = TORGOLL CL = CLAV CL = CLLV CL = CLUB



FLEXIBLE STEEL LACING COMPANY ADDITION Downers Grove, Illinois HAND AUGER LOCATION DIAGRAM



STS Consultants Ltd. WILLOWBROOK, ILLINOIS

VVK | VVK | 10/6/82 | 10222-C



(312) 655-4540

August 27, 1982

Flexible Steel Lacing Company 2525 Wisconsin Avenue Downers Grove, Illinois 60515

Attention: Mr. Alfred E. Gladding

STS Job No. 10222-C

Reference: Flo

Flexible Steel Lacing Company Addition in Downers Grove,

Illinois

Gentlemen:

This report summarizes our part-time services provided on an as requested basis from June 10 through July 27, 1982. The contractor was notified of all test results and copies of our daily field reports were left at the job site for review.

During this progress report period, our field representatives observed the stripping of topsoil and performed field density tests on the silty clay fill placed in the area bordered by Lines 8-10 and D-G.

During the stripping operation, approximately 2 feet of topsoil was noted overlying a very stiff, brown silty clay material. We observed removal of black topsoil from the northern half of the addition and we recommended that all topsoil, soft and unsuitable material be removed from the remainder of the building area prior to any backfilling operation. All topsoil was later removed prior to backfilling.

Laboratory Tests

Three samples of a silty clay material were obtained at the site and returned to our laboratory for testing. Sample No. I with a maximum dry density of 110.8 pounds per cubic foot (PCF) and an optimum moisture content of 17.2% was used in all areas within the proposed structure. Sample No. 2 was used outside the structure in the roadway area and had a maximum dry density of 128.7 PCF and an optimum moisture content of 10.1%. Sample No. 3 was used both outside and inside the structure and had a maximum dry density of 121.6 PCF and an optimum moisture content of 12.7%. These tests were performed in accordance with ASTM D-1557, Modified Proctor, Method A.

August 27, 1982 Flexible Steel Lacing Page 2

Field Compaction Tests

The major soil work performed at the site during this period has been the backfilling of the building area between Column Lines 8 and 10 from D to G, and the roadway leading to the loading dock. The degree of fill compaction was evaluated utilizing a nuclear density guage. Results of these tests along with location diagrams are included with this report.

In the driveway area just north of the proposed structure, the excavated area was proofrolled with a heavy loaded truck. No significant deflection under this load was detected. The area was then backfilled in lifts approximately 8 inches in loose thickness. Test results in the driveway area ranged from 89% to 98% when compared with the maximum dry unit weight of 128.7 PCF, and an estimated average value of 122.0 PCF. Low test results that did not meet the specification's requirement of 95% of ASTM D-1557 were obtained in the driveway area at subgrade elevation 725.0'. On July 27, this area was retested and test results exceeded the required 95% compaction. However, prior to the placement of base course material, it is recommended that the loading dock and the driveway areas be carefully observed and proofrolled. Areas which indicate excessive deflection should be removed and new fill material be placed and compacted in accordance with the project specifications.

A low test result was obtained at subgrade elevation 730.01 at the southeast corner of the building between Column Line D-E and 3-4, (Test No. 30, Location Diagram #2). We recommended to the contractor that this area be scarified, recompacted, and retested prior to placement of subbase material.

If you have any questions concerning the information contained in this report, please do not hesitate to contact us. We appreciate this opportunity to be of service to you.

Sincerely,

STS CONSULTANTS LTD.

John D. Fincham

Senior Field Engineer

/aroujan V. Kazanjian

Area Manager

/et

encl.

cc: Ewald Associates Architects, Ltd.

Mr. William H. Ewald

Jenkins & Boller and Co. Mr. Richard Stanczak

SIS CONSULTANTS LTD.

JOB: 10222-C FLEXIBLE STEEL LACING DATE: 6-18-82

GOIL DESC: SILTY CLAY, TRACE CRAVEL, SAND-BROWN (CH)

SAMPLE # 1

PROPOSED USE: SLAB

WATER CONTENT AS REC'D: 22.1 %

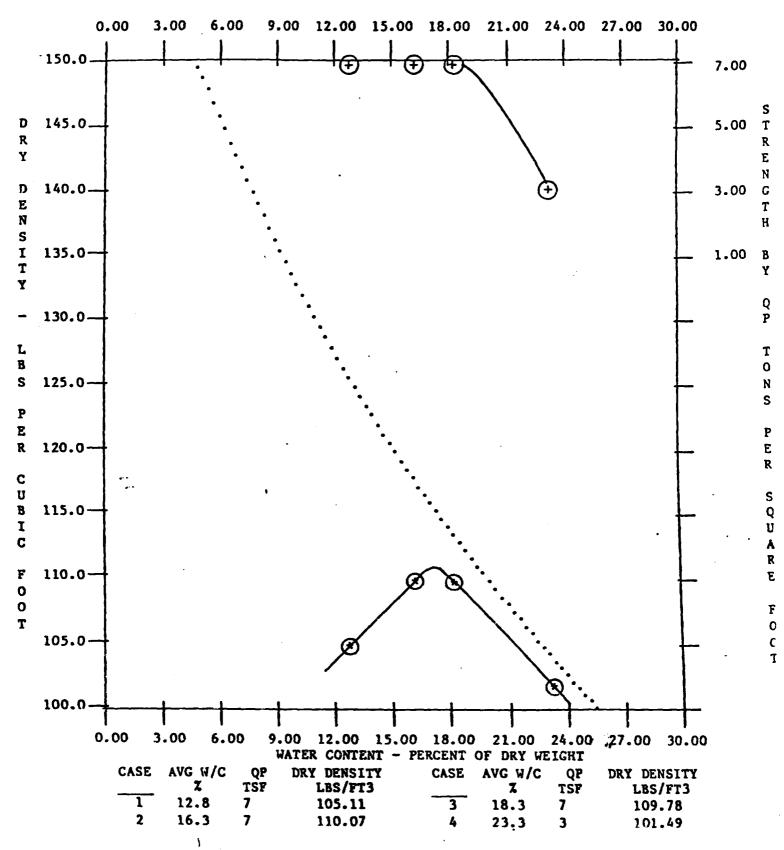
MAXIMUM DRY DENSITY [PCF]= 110.8 OPTIMUM WATER CONTENT [2]= 17.2

* PROCTOR RESULTS

. ZERO AIR VOID CURVE FOR SG= 2.72

+ PENETROMETER RESULTS-QP

MOISTURE-DENSITY RELATION OF SOILS ASTM D 1557-70 MODIFIED PROCTOR METHOD A



STS CONSULTANTS LTD.

COB: 10222-C FLEXIBLE STEEL LACING DATE: 7-29-82 SOIL DESC: SILTY CLAY, TRACE SAND, GRAVEL-BROWN(CL)

SAMPLE # 3

PROPOSED USE: ROADWAY

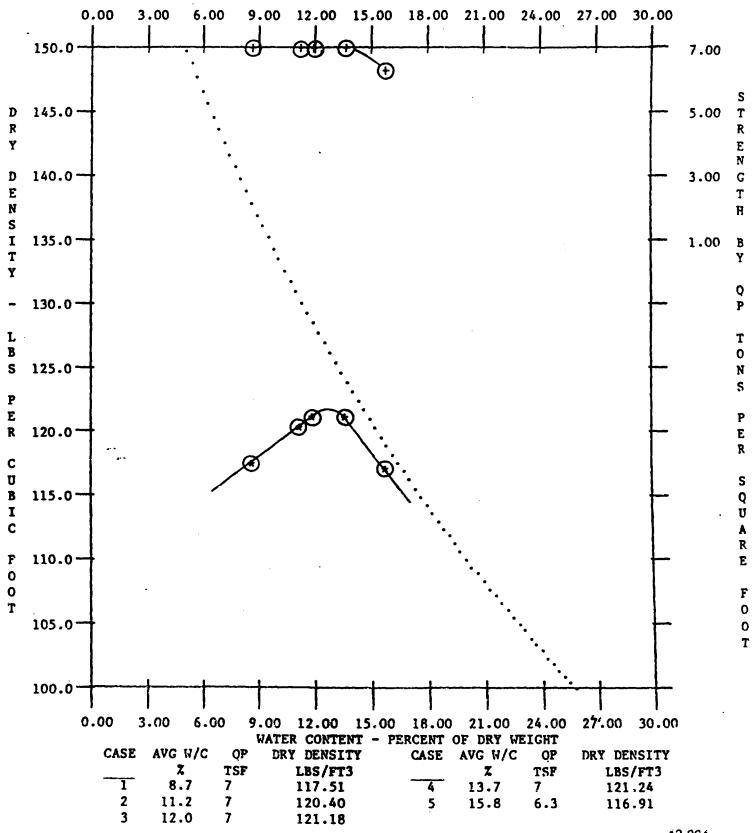
WATER CONTENT AS REC'D: 12.2%

MAXIMUM DRY DENSITY [PCF] = 121.6

OPTIMUM WATER CONTENT [7] = 12.7

- * PROCTOR RESULTS
- . ZERO AIR VOID CURVE FOR SG= 2.74
- + PENETROMETER RESULTS-QP

MOISTURE-DENSITY RELATION OF SOILS ASTM D 1557-70 MODIFIED PROCTOR METHOD A



Northbrook Phone: 272-6520



(312) 655-4540

S.T.S. Job No. 10222-C

FIELD COMPACTION SUMMARY

Job Name and L	Flexible Steel Lacing Company, Downers Grove, Illinois							
	eerEwald Associates Architects, Ltd.							
Contractor	Jenkins, Boller & Company, Waukegan, Illinois							
Meti	d of Field Density Measurement Sand Cone Method DATUM							

TEST NO.	1982	LOCATION	LIFT NO. OR ELEV.	MTL MARK	MAXIMUM LAB DRY DENSITY	WATER CONTENT	IN-PLACE DRY DENSITY	PERCENT COMPACTION	COMMENTS
1	6/16	See Diagram #1	7281	#}	110.8	22.0	102.0	92	
2	6/21	п	729'	11	11	21.5	104.2	94	
3	11	11	11	11	11	19.6	107.8	97	
4	11	11	11	11	11	17.3	110.3	100	
5	11	11	2	15	11	18.0	106.6	96	·
6	11	. 11	••	11	"	17.1	109.3	99	
7	6/22		7301	11		17.4	111.4	100	
8	H	11	11	11	11	19.1	110.2	99	
9	111	11	7281	11	11	17.0	107.4	97	
10	11	11	11%	11	N:	16.9	111.1	100	Retest #1
11	11	11	727'	"	11	18.4	107.2	97	
12	11		11	11	11	16.6	110.5	100	
13	"	a- 11	11	"	11	17.6	106.3	96	
14	6/23	11	730'	11	11	18.6	107.1	97	-
15	11	11	11	11	"	18.8	109.7	99	
16	11	11	729'	11	11	17.7	108.6	98	
17	"	11	7301	11	11	18.0	106.2	96	
18	"	11	7291	11	11	17.1	111.3	100	
19	"	11	730'	11	11	16.9	110.8	100	
20	11	1)	11	111	11	17.8	109.7	. 99	
21	11	11	ř1	11	11	16.0	112.1	100	
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				T					

Northbrook Phone: 272-6520

S.T.S. Job No. 10222-C



STS Consultants Ltd. 835 Midway Drive Willowbrook, Illinois 60521 (312) 655-4540

FIELD	COMPACTION	SUMMARY

Job Name	and Location Flexible Steel Lacing Company, Downers Grove, Illinois					
Architect of	r Engineer					
	Jenkins, Boller & Company, Waukegan, Illinois					
2011.2.00.01	Method of Field Density Measurement Sand Cone Method Nuclear Method DATUM DATUM	_				

TEST NO.	1982 DATE	LOCATION	LIFT NO. OR ELEV.	MTL MARK	MAXIMUM LAB DRY DENSITY	WATER CONTENT	IN-PLACE DRY DENSITY	PERCENT COMPACTION	COMMENTS
22	6/30	See Diagram #2	7241	est.	122.0	14.9	119.4	98	
23	11	11	11	11	11	13.2	115.8	95	
24	7/2	11	7251	#2	128.7	14.9	116.3	90	Failed
25	11	11	11	11	**	16.3	114.7	89	11
26	11	11		=======================================	11	16.0	114.4	89	1,1
27	11	11	"	11	11	15.7	114.0	89	11
28	7/27	. 11	subgrade	#3	121.6	16.7	113.6	94	1
29	11	11	11	11	11	16.3	115.4	95	
30	11	11	11	=	11	20.0	102.8	85	Failed
31	11	11	7251	#2	128.7	11.7	123.7	96	Retest #24,2
32	11	11	11	11	11	11.0	125.5	98	Retest #25,2
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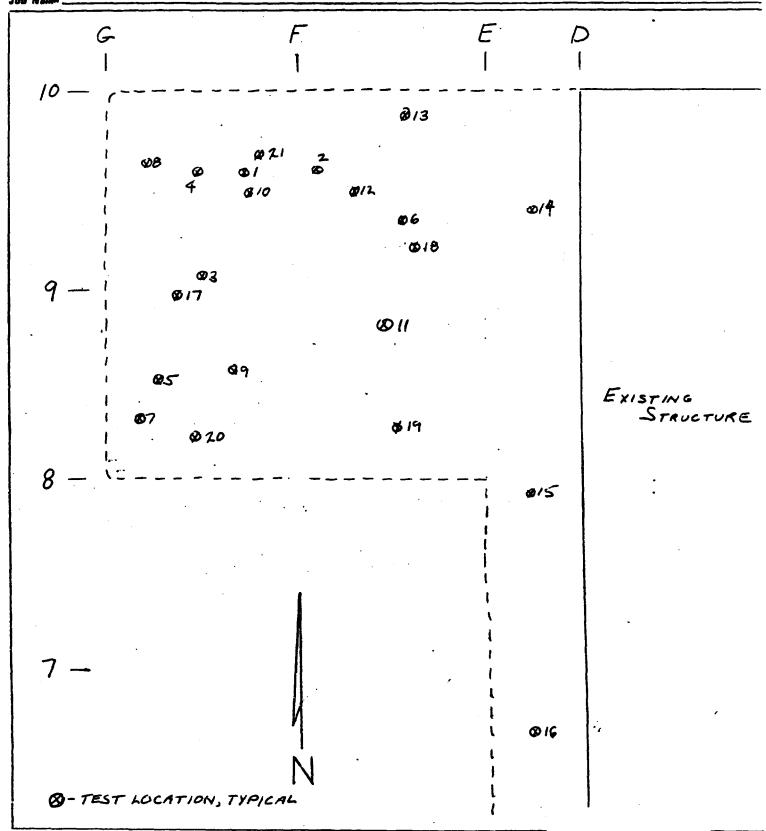
SOIL TESTING SERVICES, Inc.

111 Pfingsten Road Northbrook, Illinois

STS Job No. 10222-(

LOCATION DIAGRAM #1

INDIAN FLEXIBLE STEEL LACING CO. , DOWNERS GROVE, ILLINOIS



Northbrook Phone: 272-652



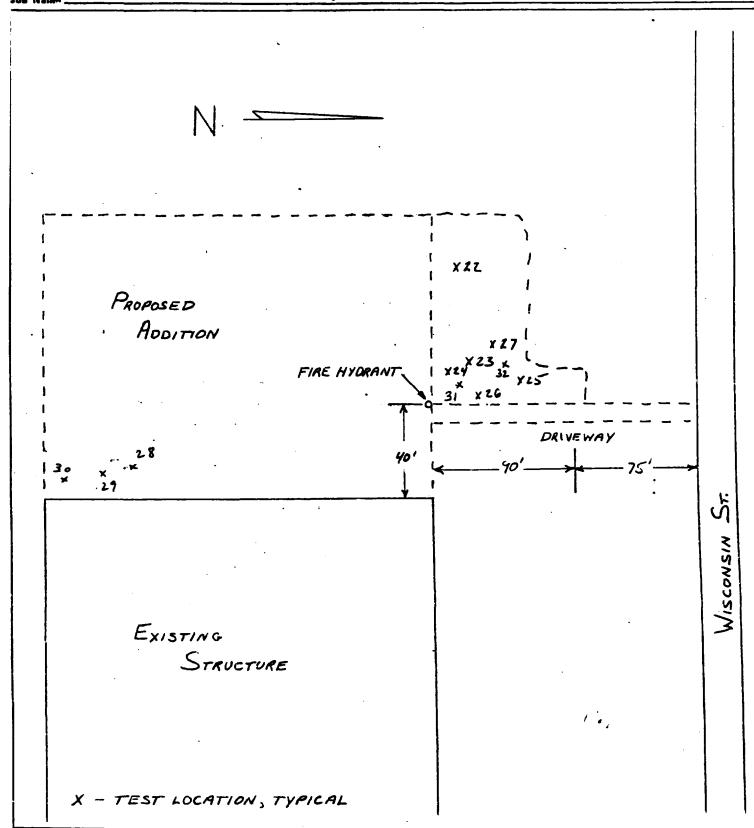
SOIL TESTING SERVICES, Inc.

111 Pfingsten Road Northbrook, Illinois

STS Job No. 10222-C

LOCATION DIAGRAM #Z

JOB Hamma FLEXIBLE STEEL LACING CO., DOWNERS GROVE, ILLINOIS



Flexible Steel Lacing Company

2525 Wisconsin Avenue - Downers Grove, Illinois 60515 USA - Phone 312-971-0150 - Telex: 72-8383 - Cable: Steelace

July 30, 1985

Downers Grove Sanitary District 2710 Curtiss Street Downers Grove, IL 60515

Gentlemen:

Enclosed please find a copy of our solvent management and accidental spill disposal report plans.

If you have any questions, please feel free to contact me.

Sincerely,

Donald Julen

General Foreman

11-003

Flexible Steel Lacing Company 2525 Wisconsin Avenue Downers Grove, IL 60515

ACCIDENTAL SPILL DISPOSAL AND REPORTING PLAN

- 1.) Donald Julen, General Foreman, is responsible for the accidental spill disposal and reporting plan.
- 2.) Storage areas are inspected weekly and inspection is documented. Clean-up of any accidental spill can normally be handled inhouse. Professional assistance will be obtained should spill be more than can be contained within.
- 3.) Written instructions and annual training, inform our employees.
- 4.) In the event of a discharge, the Department Supervisor, General Foreman, Vice President-Manufacturing and President shall be notified immediately.

DOWNERS GROVE SANITARY DISTRICT Frohibited Materials Discharge Report January 1 through June 30, 1987

Company Name: FLEXIBLE STEEL LACING Co
Address: 2575 Wiseonsin
DOWNERS GROVE IC 60515
Report Completed by: DON JULEN
Title: V.P. MFG. Phone: 971-0150
Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; when and what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.
(Please attach additional pages)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
"Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Frohibited Materials Discharge Report". I further certify that this facility is implementing the Solvent Management Plan submitted to The Downers Grove Sanitary District."
All reports must be signed by an Authorized Agent of the company named above:
Name of Authorized Agent: Don' Julen' (Type or Frint)
Signature: Ron Julen. Title: V.P. MFG Date: 7/14/87
$\frac{1}{2}$

Company Name: FLEXIBLE STEEL LACING CO
Address: 2525 WISCONSIN
DOWNERS GROVE IL 60515
Report Completed by: DON JULEN
Title: V.P. MF9. Fhone: 971-0150
Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; when and what authorities were notified of the discharge; what actions were taken to control and clean the material; and what actions were taken to prevent a recurrence.
•
(Please attach additional pages)
·
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
"Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposa and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Solvent Management Plan submitted to The Downers Grove Sanitary District."
All reports must be signed by an Authorized Agent of the company named above:
Name of Authorized Agent: DON JULEN
Signature: Don July Date: 1/2/88
Title: V.P. mfg. Date: 1/2/88

TO: Downers Grove Sanitary District

SUBJECT: Semi-Annual Accidental Spill Report

Based on my inquiry of the person directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that, to the best of my knowlege and belief, no solvents or toxics have been dumped or spilled into the waste waters since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the Solvent Management Plan submitted to the District.

	Flexible Steel Lacing Company 2525 Wisconsin Avenue
DATE:	Downers Grove, IL 60515

On	a spill occurred at this facility.
gallons of	entered the waste water system. The
balance of the material	l was contained and was cleaned up and disposed
of in a proper manner.	
or in a proper manner.	

DOWNERS GROVE SANITARY DISTRICT Prohibited Materials Discharge Report

Reporting Period: January 1 through June 30, 1986

Company Name: TLEXIBLE STEEL LACING CO
Address: 2525 WISCONSIN
DOWNERS GROVE 74 60515
Report completed by: Don Julen
Title: SuperiNTENCENT Phone No. 971-0150
Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; when and what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions have been taken to prevent a recurrence.
(please attach additional pages)
If no discharge occurred during the reporting period, please indicate that by checking the certification statement below.
"Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the solvent management plan submitted to the District."
All reports must be signed by an Authorized Agent of the company named above:
Name of Authorized Agent: Don Julev Date: 6/20/86 (Type or Print)
Signature: Don Julia Title: Superintendent

Company Name: HEXIDE STEEL LIACING CC
Address: 2525 WISCONSIN AVE
DOWNERS GROVE IL 60515
Report Completed by: DON JULEN
Title: SupERIVIENDENT Phone: 971.0150
Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; when and what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.
(Please attach additional pages)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
"Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Solvent Management Plan submitted to The Downers Grove Sanitary District."
All reports must be signed by an Authorized Agent of the company named above:
Name of Authorized Agent: DON JULEN (Type of Print)
Signature: Lon Julian
Title: Supertilend. T

DOWNERS GROVE SANITARY DISTRICT Frohibited Materials Discharge Report January 1 through June 30, 1987

Company Name: FLExiblE STEEL LACING Co
Address: 2575 Wiseonsin
DOWNERS GROVE IC 60515
Report Completed by: DON JULEN
Title: V.P. MFG. Phone: 971-0150
Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; when and what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.
(Please attach additional pages)
(Please attach additional pages) If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
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If no discharges occurred during the reporting period, please indicate that by checking the certification statement below. "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Solvent Management Plan submitted to The Downers Grove Sanitary District." All reports must be signed by an Authorized Agent of the company named above:
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below. "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Solvent Management Plan submitted to The Downers Grove Sanitary District." All reports must be signed by an Authorized Agent of the company named above:
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below. "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Frohibited Materials Discharge Report". I further certify that this facility is implementing the Solvent Management Plan submitted to The Downers Grove Sanitary District." All reports must be signed by an Authorized Agent of the company named above: Name of Authorized Agent: Dan Julent
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below. "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Solvent Management Plan submitted to The Downers Grove Sanitary District." All reports must be signed by an Authorized Agent of the company named above:

Company Name: FLEXIBLE STEEL LACING CO
Address: 2525 WISCONSIN
DOWNERS GROVE IL 60515
Report Completed by: DON JULEN
Title: V.P. MF9. Fhone: 971-0150
Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; when and what authorities were notified of the discharge; what actions were taken to control and clean the material; and what actions were taken to prevent a recurrence.
(Please attach additional pages)
(Please attach additional pages) If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
If no discharges occurred during the reporting period, please indicate
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below. "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Solvent Management Plan submitted to The Downers Grove Sanitary
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below. "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Solvent Management Plan submitted to The Downers Grove Sanitary District." All reports must be signed by an Authorized Agent of the company named above: Name of Authorized Agent: DON JULEN
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below. "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Solvent Management Plan submitted to The Downers Grove Sanitary District." All reports must be signed by an Authorized Agent of the company named above:

DOWNERS GROVE SANITARY DISTRICT Prohibited Materials Discharge Report January 1, Through June 30, 1988

Company Name: TUEXI	DLE SIEE/	LACING CO	
Address: 2525	Wisensin		
DOWNE	RS GROVE I	66615	
Report Completed by:	DON JULE	·	
Title: V. P. MA	- 9	Phone:	1-0150
Describe the occurrence sanitary sewer system. discharged, its volume notified of the dischar the material; and what	of any discharges Include the date, and concentration; ge; what actions w	of prohibited matime, type of material when and what average taken to contact the contact of the	aterials to the aterial uthorities were trol and clean up
	· · · · · · · · · · · · · · · · · · ·		
	(Please attach a	dditional pages)	
If no discharges occurr that by checking the ce			ease indicate
"Based on m responsible for mana and reporting requir and belief, no solve wastewaters since fi Report". I further Solvent Management P District."	ements, I certify nts or toxics have ling the last "Pro certify that this	th the accidental that to the best been dumped or hibited Materials facility is imple	l spill disposal of my knowledge spilled into the s Discharge ementing the
All reports must be sig above:	ned by an Authoriz	ed Agent of the	company named
Name of Authorized Agen	t: DON	ULEN	<u></u>
Signature: Doy	ulin	(Type or Print)	
Title: V.P. mit	9	Date:	119/38
/		•	′ /

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JAN 3 0 1989

Company Name: FLEXIBLE STEEL	LACING CO.
Address: 2525 Wisconst	J AUE. SANITARY DISTRICT
DOWNERS GROVE, I	
BROVE BROVE, I	
Report Completed by: ROBERT HA Title: GENERAL FOREMAN	FEY
Title: GENERAL FOREMAN	Phone: 971-0150
Describe the occurrence of any dischargeanitary sewer system. Include the dardischarged, its volume and concentration of the discharge; what actions the material; and what actions were talknown actions were talknown.	te, time, type of material on; when and what authorities were s were taken to control and clean up
(Please attac	n additional pages)
"Based on my inquiry of the responsible for managing compliance and reporting requirements, I certiand belief, no solvents or toxics hastewaters since filing the last "Report". I further certify that the Solvent Management Plan submitted to District."	reperson or persons directly with the accidental spill disposal fy that to the best of my knowledge ave been dumped or spilled into the Prohibited Materials Discharge is facility is implementing the
All reports must be signed by an Autho above: Name of Authorized Agent: Robert	
Name of Authorized Agent: KUDER!	(Type or Print)
Signature: Lobet Halin	
Signature: Robert Hafing Title: GRUERAL FOREMAN	Date: 1/26/89

714 KES 7/13/89

DOWNERS GROVE SANITARY DISTRICT Frohibited Materials Discharge Report January 1, Through June 30, 1989

Company Name: FLEXIBLE STEEL LACING CO
Address: 2525 WISCONSIN
DOWNERS GROVE IC
Report Completed by: DON JULEN
Title: V.P. MF9. Phone: 971-0150
Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence. **DONE**
(Please attach additional pages)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
"Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill Containment, or Solvent Management Plan, submitted to the Downers Grove Sanitary District."
All reports must be signed by an Authorized Agent of the company named above:
Name of Authorized Agent: DON Ju(EN) (Type or Print)
Signature: Doutules
Title: VP. m-19. Date: 7/13/89

-77171CE-2

Company Name: 7/ Exible STEEL LICING CO
Address: 1525 Consecusion
DOWNERS GROVE IC
Report Completed by: Ton Tulen
Title: <u>V.P. 121 Eg</u> Phone: <u>971-6166</u>
Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.
(Please attach additional pages)
(Please attach additional pages) If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
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DOWNERS GROVE SANITARY DISTRICT Prohibited Materials Discharge Report January 1, Through June 30, 1990

Company Name: 4CEXIBLE SIZEC CIACING CO
Company Name: FLEXIBLE STEEL LACING CO Address: 2525 WISCONSIN, DOWNERS GROVE IC
Report. Completed by: DON JULEN
Title: V.P. MFg. Phone: 971-0150
Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.
NONE
· · · · · · · · · · · · · · · · · · ·
(Please attach additional pages)
(Please attach additional pages) If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
If no discharges occurred during the reporting period, please indicate
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below. ———————————————————————————————————
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below. ———————————————————————————————————
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below. ———————————————————————————————————
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below. ———————————————————————————————————

MAILE À 1/17/91

Company Name: FLEXIBLE STEEL LACING C	<u>o</u>
Address: 2525 WISCONSIN AVE	
DOWNERS GROVE IL	
Report Completed by: DON JULEN	
Title: V.P. MFg. Ph	one: 971-6150
Describe the occurrence of any discharges of proh sanitary sewer system. Include the date, time, t discharged, its volume and concentration; what au of the discharge; what actions were taken to cont material; and what actions were taken to prevent	ype of material thorities were notified rol and clean up the
NONE	
(Please attach additiona	l pages)
(Please attach additional If no discharges occurred during the reporting pethat by checking the certification statement below	riod, please indicate
If no discharges occurred during the reporting pe	riod, please indicate w. persons directly ccidental spill disposal the best of my knowledge mped or spilled into the Materials Discharge is implementing the
If no discharges occurred during the reporting per that by checking the certification statement below that by checking the certification statement below that by checking the certification statement below that by checking the formula managing compliance with the analysis and reporting requirements, I certify that to and belief, no solvents or toxics have been durant wastewaters since filing the last "Prohibited Report". I further certify that this facility Spill Containment, or Solvent Management Plan, Downers Grove Sanitary District." All reports must be signed by an Authorized Agent above:	riod, please indicate w. persons directly ccidental spill disposal the best of my knowledge mped or spilled into the Materials Discharge is implementing the submitted to the of the company named
If no discharges occurred during the reporting per that by checking the certification statement below that by checking the certification statement below that by checking the certification statement below that by checking the formula managing compliance with the analysis and reporting requirements, I certify that to and belief, no solvents or toxics have been durant wastewaters since filing the last "Prohibited Report". I further certify that this facility Spill Containment, or Solvent Management Plan, Downers Grove Sanitary District." All reports must be signed by an Authorized Agent above:	riod, please indicate w. persons directly ccidental spill disposal the best of my knowledge mped or spilled into the Materials Discharge is implementing the submitted to the of the company named
If no discharges occurred during the reporting per that by checking the certification statement below that by checking the certification statement below that by checking the certification statement below that by checking the certification of the person or responsible for managing compliance with the analysis and reporting requirements, I certify that to and belief, no solvents or toxics have been durent wastewaters since filing the last "Prohibited Report". I further certify that this facility Spill Containment, or Solvent Management Plan, Downers Grove Sanitary District." All reports must be signed by an Authorized Agent	riod, please indicate w. persons directly ccidental spill disposal the best of my knowledge mped or spilled into the Materials Discharge is implementing the submitted to the of the company named

7/12/91 Mailed

DOWNERS GROVE SANITARY DISTRICT Prohibited Materials Discharge Report January 1, Through June 30, 1991

Company Name: +CEXIBLE SIEEC LACING CO
Address: 2525 WISCONSIN AUE
DOWNERS GROVE ZL
Report Completed by: DON JuleN
Title: <u>V.P.MFG</u> Phone: 971-0150
Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence. None
(Please attach additional pages)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
"Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dum a or spilled into the wastewaters since filing the last "Forthin hed Min writing Discharge Report". I further certify that this facility is implementing the Spill Containment, or Solvent Management Plan, submitted to the Downers Grove Sanitary District."
All reports must be signed by an Authorized Agent of the company named above:
Name of Authorized Agent: DON JULEN
Signature: Don July Title: V.P. MFG.
Title: V.P. MFG. 12/91

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ΔC	

Company Name: FLExible STEEL LACING
Address: 2525 Wicconsin
DOWNERS GROVE IL
Report Completed By: DON Julen
Title: V.P. 14F9. Phone: 971 0150
Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence.
NONE
(Please attach additional sheets)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary
Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District. All reports must be signed by an Authorized Agent of the company named above:
Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District. All reports must be signed by an Authorized Agent of the company named above:

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DOWNERS GROVE SANITARY DISTRICT Prohibited Materials Discharge Report January 1 Through June 30, 1992

Company Name: FLEXIBLE STEEL LACING CO
Address: 2525 Wisconsin
DOWNERS GROVE IL
Report Completed By: DON JULEN
Title: V.P. MFG Phone: 971-0150
Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence.
NONE
(Please attach additional sheets)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.
All reports must be signed by an Authorized Agent of the company named above:
Name of Authorized Agent: DON JULEN
(Please type or print name)
Signature: Don ful. Title: V.P. MF9 Date: 7/10/9Z
Title: <u>V.T. mF9</u> Date: <u>7/10/9Z</u>

Company Name: FLEXIBLE STEEL LARNY CO.	
Address: 2525 WISCONSIN	
DOWNERS GROVE IL	
Report Completed By: DON JULEN	
Title: V.P. MFG. Phone: 9	7/0150
Describe the occurrence of any discharges of material discharge to the sanitary sewer system. Include the material discharged, the volume and concentration; what notified of the discharge; what actions were taken to content the material; and what actions were taken to prevent a re-	date, time type of t authorities were ntrol and clean up
NONE	
(Please attach additional sheets)	
If no discharges occurred during the reporting period	d. please indicate
that by checking the certification statement below.	a, product indroduct
Based on my inquiry of the person or person responsible for managing compliance with the accidusposal and reporting requirements, I certify the of my knowledge and belief, no solvents or toxics dumped or spilled into the wastewaters since filing "Prohibited Materials Discharge Report". I further that this facility is implementing the Spill contastivation of the Downers District.	ental spill t to the best have been g the last cr certify inment, or
All reports must be signed by an Authorized Agent of above:	the company named
Name of Authorized Agent: DON JULEN	
Signature: Don fules (Please type or pri	nt name)

Company Name: 7/ExibLE STEEL LACING CO
Address: 2525 WISCONSIN AVE
DOWNERS GROVE IL
Report Completed By: Don fuln Title: V.P. M79. Phone: 971-0150
Title: 1/P MF0 Phone: 971-0150
•
Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence.
(Diago attack additional about a)
(Please attach additional sheets)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.
All reports must be signed by an Authorized Agent of the company named above:
Name of Authorized Agent: DON JU(EN (Please type or print name)
Signature: Pordules
Signature: <u>Porfule</u> Title: <u>V.P. MF9</u> Date: <u>8/25/93</u>

Company Name:	F/EXIDIE S	TEE (LA	4e1Ng	Co,	
	2525 Wisco				
	DOWNERS GK	COVE II			
Report Complet	ted By: DON J	ULEN			
			Phone: 9	71-0150	
discharge to material disc notified of t	occurrence of any the sanitary sew charged, the volume the discharge; what and what actions we	er system. I e and concent actions were	nclude the ration; wha taken to co	date, time type t authorities on trol and clear	e of were
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	·····				
	(Please attac	ch additional	sheets)		
	arges occurred during the certification			d, please indi	cate
response dispose of my lead dumped "Prohibe that the	Based on my inquiry sible for managing could and reporting requiremental spilled into the pited Materials Dischais facility is implest management plan, sect.	ompliance wit uirements, I , no solvents wastewaters harge Report" ementing the	h the accidentify the or toxics since filing I further Spill contacts	dental spill at to the best have been as the last certify ainment, or	
above:	must be signed by		ed Agent of	the company n	amed
Name of Author	rized Agent: Don	Julen			_
		(Please	type or pri	int name)	2
Signature: X	Parfulu P. MANUFACTUR				
Title: V./	Y MANUFACIU	eing	Date: _	1/12/94	

Company Name: FLEXIBLE STEE! (Meing CO
Address: 2525 WISCONSIN
DOWNERS GROVE IL 60515
Report Completed By: DON JUCEN
Title: V.P. MF9. Phone: 97/0150
Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence. None
(Please attach additional sheets)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.
All reports must be signed by an Authorized Agent of the company name above:
Name of Authorized Agent: DON Ju(EN
Signature: Dondul
Title: V.P. MF9. Date: 7/15/94
,

Company Name: 7/ExiblE STEE/ Heing ea
Address: 2525 Wisconsin
DOGINERS GROVE IL 60515
Report Completed By: DON Julen
Title: <u>VP. MF9</u> Phone: <u>971-6150</u>
Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence. NONE
(Please attach additional sheets)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.
All reports must be signed by an Authorized Agent of the company named above:
Name of Authorized Agent: DON JULEN (Please type or print name)
(Please type or print name)
Signature: <u>Non fule</u> Sittle: <u>Y.P. MPg</u> . Date: <u>3/23/94</u>

Company Name: 7/8xible STEE! (ACING CO
Address: 2525 Wisconsin
Address: 2525 WISCONSIN DOWNERS: GROVE I/ 60515
Report Completed By: Don Julen
Title: <u>V.P. m.Fq.</u> Phone: <u>99710150</u>
Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence.
NONE
(Please attach additional sheets)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.
All reports must be signed by an Authorized Agent of the company name above:
Name of Authorized Agent:
Signature: Don July Date: 7/5/95
Title: <u>V.P. m.F9.</u> Date: <u>7/5/95</u>

Company Name: FLEXIBLE STEE/ LACING CO
Address: 2525 Wisconsin
DOWNERS GROVE II 60515
Report Completed By: Don Julen
Title: V.P. MFQ Phone: 708 971.0150
Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence.
NONE
(Please attach additional sheets)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
Based on my inquiry of the person or persons directly
responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.
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disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District. All reports must be signed by an Authorized Agent of the company named above: Name of Authorized Agent: Dow Jules
disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District. All reports must be signed by an Authorized Agent of the company named above: Name of Authorized Agent:

Company Name:	FlexiblE S	TEEL LACK	ug Co	
Address:	2525 WISCO	NSIN		
	DOWNERS	GROVE I		
Report Comple	ted By: DoN	Julen		
	P. MFq.		Phone:	-971-0150
Describe the discharge to material dis notified of	occurrence of the sanitary charged, the v	any discharg sewer system. olume and conce hat actions wer	ges of material Include the d entration; what re taken to con	s prohibited from ate, time type of authorities were trol and clean up
NONE				
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	(Please	attach addition	al sheets)	
		during the re	porting period	, please indicate
respondispose of my dumped "Prohil that the	Based on my incoming all and reporting knowledge and believed into bited Materials I his facility is it management planet.	ng compliance we requirements, lief, no solven the wastewater Discharge Reporting the complementing the complementing the complementing the complementing the complementing the complementing the complementing the complementing the complementing the complementing the complementing the complementing the complementing the complementing the complementing the complementing the complements of the	th the accided I certify that its or toxics has since filing to. I further it Spill contains	ntal spill to the best ave been the last certify nment, or
All reports above:	must be signed	d by an Author	rized Agent of	the company named
Name of Author	rized Agent:	DONJULE	U	
Signature:	Jan Lule -	(Yieas	e type or prin	t name)
Signature: <u>R</u> Title:/.	P. MFG.		Date:	7/26/96

Company Name: TEXIDE SIEE LACING CO
Address: 2525 WISCONSIN
DOWNERS GROVE IL
Report Completed By: DON JULEN
Title: V.P. MFg. Phone: 630-971-0150
Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence.
NONE
(Please attach additional sheets)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.
Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.
All reports must be signed by an Authorized Agent of the company named above:
Name of Authorized Agent: Dow Tules (Please type or print name)
Signature: Dan July
Signature: Date: 7/12/97 Title: V.P. MF9. Date: 7/12/97
·

DOWNERS GROVE SANITARY DISTRICT PROHIBITED MATERIALS DISCHARGE REPORT July 1 through December 31, 1997

Company: FLEXIBLE STEEL LACING COMPANY
Location: 2525 Wisconsin Downers Grove, IL 60515
This Report was completed by: DON JULEN
Title: <u>V.P. MFG</u> Phone: <u>630.971.01.50</u>
Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time and type of materials discharged; the amount; who was notified at the time; how the spill was contained and cleaned up; and the method of disposal for the spilled materials. Please reference any reports filed with the District.
NONE
(please attach additional sheets)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below:
♦ Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental discharge reporting requirements, I certify that to the best of my knowledge and belief, no prohibited materials have been dumped or spilled into the wastewaters since filing the last Prohibited Materials Discharge Report. I further certify that this facility is implementing the Spill Containment and Control Plan submitted to the District.
The report must be signed by an authorized agent of the company named above:
Authorized Agent: DON JULEN Title: U.P. MES (Please type or print name)
Signature: Date: 1/9/98

DOWNERS GROVE SANITARY DISTRICT PROHIBITED MATERIALS DISCHARGE REPORT January 1 through June 30, 1998

Company: FLEXIBLE STEEL LACING COMPANY
Location: 2525 Wisconsin Downers Grove, IL 60515
This Report was completed by:
Title: V.P. MFG Phone: 630-971-0150
Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time and type of materials discharged; the amount; who was notified at the time; how the spill was contained and cleaned up; and the method of disposal for the spilled materials. Please reference any reports filed with the District.
(please attach additional sheets)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below:
Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental discharge reporting requirements, I certify that to the best of my knowledge and belief, no prohibited materials have been dumped or spilled into the wastewaters since filing the last Prohibited Materials Discharge Report. I further certify that this facility is implementing the Spill Containment and Control Plan submitted to the District.
The report must be signed by an authorized agent of the company named above:
Authorized Agent: DON JUCEN Title: U.P. MFG. (Please type or print name)
Signature: Don Jules 7/6/98

DOWNERS GROVE SANITARY DISTRICT PROHIBITED MATERIALS DISCHARGE REPORT July 1 through December 31, 1998

July 1 through December 31, 1998

Company: FLEXIBLE STEEL LACING COMPANY
Location: 2525 Wisconsin Downers Grove, IL 60515
This Report was completed by: DON JULEN Title: U.P. M.P.G. Phone: 630-971-0150
Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time and type of materials discharged; the amount; who was notified at the time; how the spill was contained and cleaned up; and the method of disposal for the spilled materials. Please reference any reports filed with the District.
None
(Please attach additional sheets)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below:
Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental discharge reporting requirements, I certify that to the best of my knowledge and belief, no prohibited materials have been dumped or spilled into the wastewaters since filing the last Prohibited Materials Discharge Report. I further certify that this facility is implementing the Spill Containment and Control Plan submitted to the District.
The report must be signed by an authorized agent of the company named above:
Authorized Agent: DON JULEN Title: V.P. MFG. (Please type or print name)
Signature: Date: 2/4/99

7/6/99

DOWNERS GROVE SANITARY DISTRICT PROHIBITED MATERIALS DISCHARGE REPORT January 1 through June 30, 1999

Company: FLEXIBLE STEEL LACING COMPANY
Location: 2525 Wisconsin Downers Grove, IL 60515
This Report was completed by: DON JULEN
Title: V.P. MFG. Phone: 971-0150
Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time and type of materials discharged; the amount; who was notified at the time; how the spill was contained and cleaned up; and the method of disposal for the spilled materials. Please reference any reports filed with the District.
(Please attach additional sheets) If no discharges occurred during the reporting period, please indicate that by checking the certification statement below:
Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental discharge reporting requirements, I certify that to the best of my knowledge and belief, no prohibited materials have been dumped or spilled into the wastewaters since filing the last Prohibited Materials Discharge Report. I further certify that this facility is implementing the Spill Containment and Control Plan submitted to the District.
The report must be signed by an authorized agent of the company named above:
Authorized Agent: DON Jule Title: V.P. MFG. (Please type or print name)
Signature: Date: 7/6/99

mailed

DOWNERS GROVE SANITARY DISTRICT PROHIBITED MATERIALS DISCHARGE REPORT July 1 through December 31, 1999

Company: FLEXIBLE STEEL LACING COMPANY
Location: 2525 Wisconsin Downers Grove, IL 60515
This Report was completed by: DON JULEN
Title: V.P. MF9 Phone: 971.0150
Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time and type of materials discharged; the amount; who was notified at the time; how the spill was contained and cleaned up; and the method of disposal for the spilled materials. Please reference any reports filed with the District. NONE
(Please attach additional sheets)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below:
Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental discharge reporting requirements, I certify that to the best of my knowledge and belief, no prohibited materials have been dumped or spilled into the wastewaters since filing the last Prohibited Materials Discharge Report. I further certify that this facility is implementing the Spill Containment and Control Plan submitted to the District.
The report must be signed by an authorized agent of the company named above:
Authorized Agent: DON JULEN Title: V.P. MF.G. (Please type or print name)
Signature: Date: 1/17/00

Mrs. 1/22/00

DOWNERS GROVE SANITARY DISTRICT PROHIBITED MATERIALS DISCHARGE REPORT January 1 through June 30, 2000

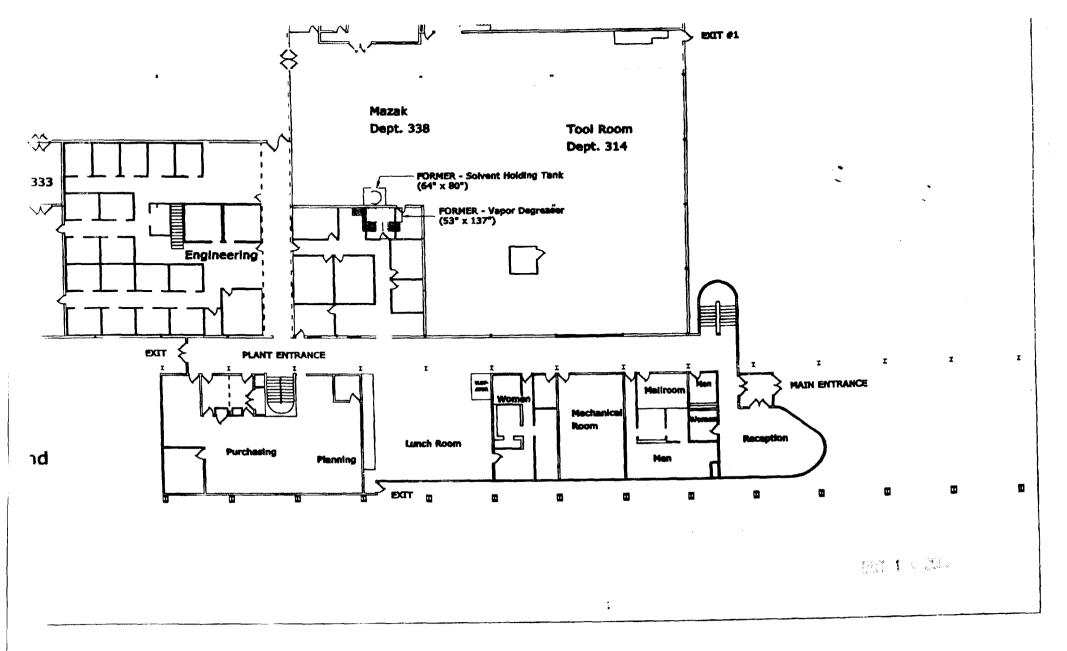
Company: FLEXIBLE STEEL LACING COMPANY
Location: 2525 Wisconsin Downers Grove, IL 60515
This Report was completed by: DoN JuleN
Title: U.P. MF9. Phone: 971 0150
Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time and type of materials discharged; the amount; who was notified at the time; how the spill was contained and cleaned up; and the method of disposal for the spilled materials. Please reference any reports filed with the District.
(Please attach additional sheets) If no discharges occurred during the reporting period, please indicate that by checking the certification statement below:
Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental discharge reporting requirements, I certify that to the best of my knowledge and belief, no prohibited materials have been dumped or spilled into the wastewaters since filing the last Prohibited Materials Discharge Report. I further certify that this facility is implementing the Spill Containment and Control Plan submitted to the District.
The report must be signed by an authorized agent of the company named above:
Authorized Agent: Dow Julew Title: VP MF9. (Please type or print name)
Signature: Don July Date: 7/26/00

DOWNERS GROVE SANITARY DISTRICT PROHIBITED MATERIALS DISCHARGE REPORT January 1 through June 30, 2001

Company: FLEXIBLE STEEL LACING COMPANY
Location: 2525 Wisconsin Downers Grove, IL 60515
This Report was completed by: Curtis A. J. Albrecht Title: Industrial Engineer Phone: 630.971.0150
Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time and type of materials discharged; the amount; who was notified at the time; how the spill was contained and cleaned up; and the method of disposal for the spilled materials. Please reference any reports filed with the District.
(Please attach additional sheets)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below:
Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental discharge reporting requirements, I certify that to the best of my knowledge and belief, no prohibited materials have been dumped or spilled into the wastewaters since filing the last Prohibited Materials Discharge Report. I further certify that this facility is implementing the Spill Containment and Control Plan submitted to the District.
The report must be signed by an authorized agent of the company named above:
Authorized Agent: Curtis A.J. Albrecht Title: Industrial fugr. (Please type or print name)
Signature: Cuts A. J. Allerecht Date: 8-1.61

DOWNERS GROVE SANITARY DISTRICT PROHIBITED MATERIALS DISCHARGE REPORT July 1 through December 31, 2000

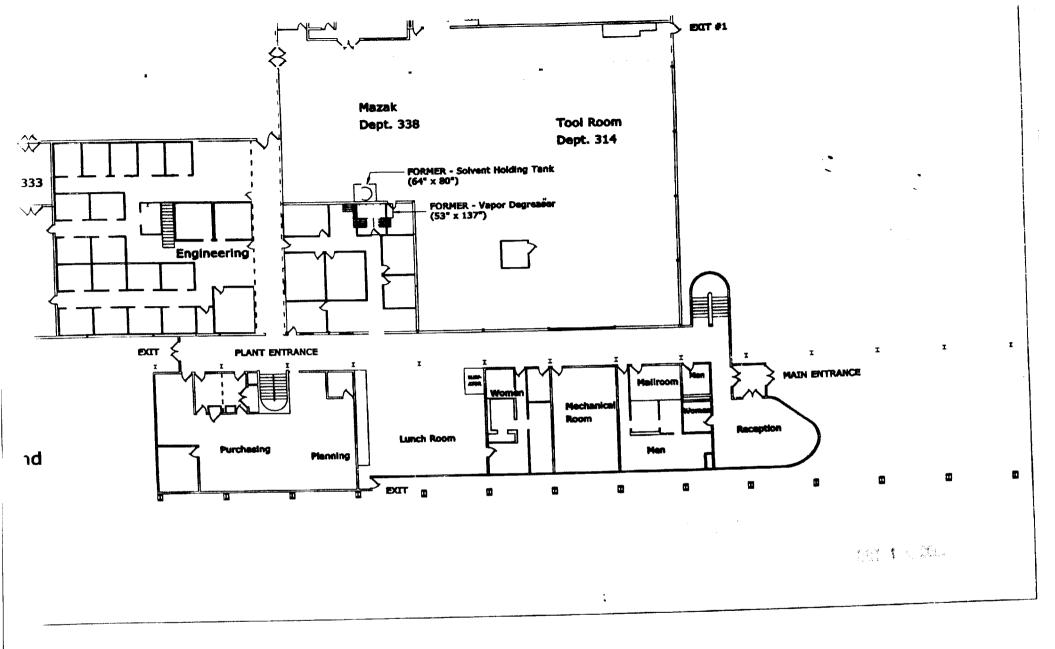
Company: FLEXIBLE STEEL LACING COMPANY
Location: 2525 Wisconsin Downers Grove, IL 60515
This Report was completed by: ROBERT HAFEY Title: MANUGACTURING MANAGER Phone: 630-971-0150
Title: MANUFACTURING MANAGER Phone: 630-971-0150
Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time and type of materials discharged; the amount; who was notified at the time; how the spill was contained and cleaned up; and the method of disposal for the spilled materials. Please reference any reports filed with the District.
(Please attach additional sheets)
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below:
Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental discharge reporting requirements, I certify that to the best of my knowledge and belief, no prohibited materials have been dumped or spilled into the wastewaters since filing the last Prohibited Materials Discharge Report. I further certify that this facility is implementing the Spill Containment and Control Plan submitted to the District.
The report must be signed by an authorized agent of the company named above:
Authorized Agent: Resear HAFEY Title: MANUFACTURING MANUSCO (Please type or print name)
Signature:

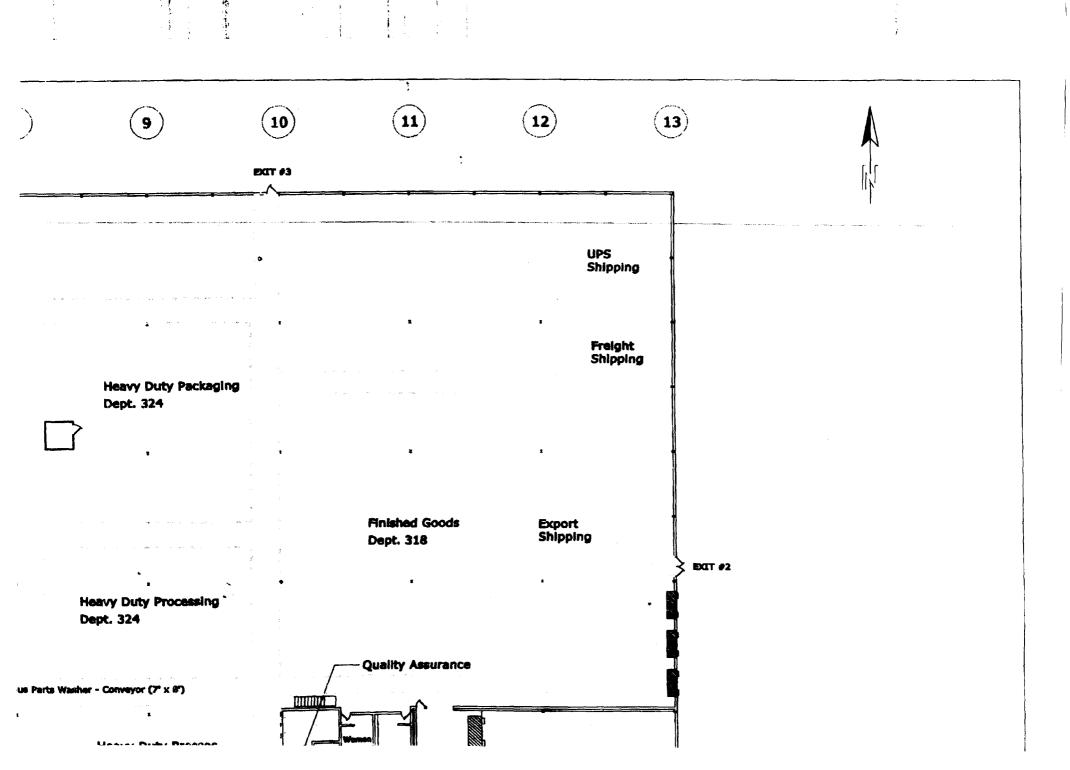


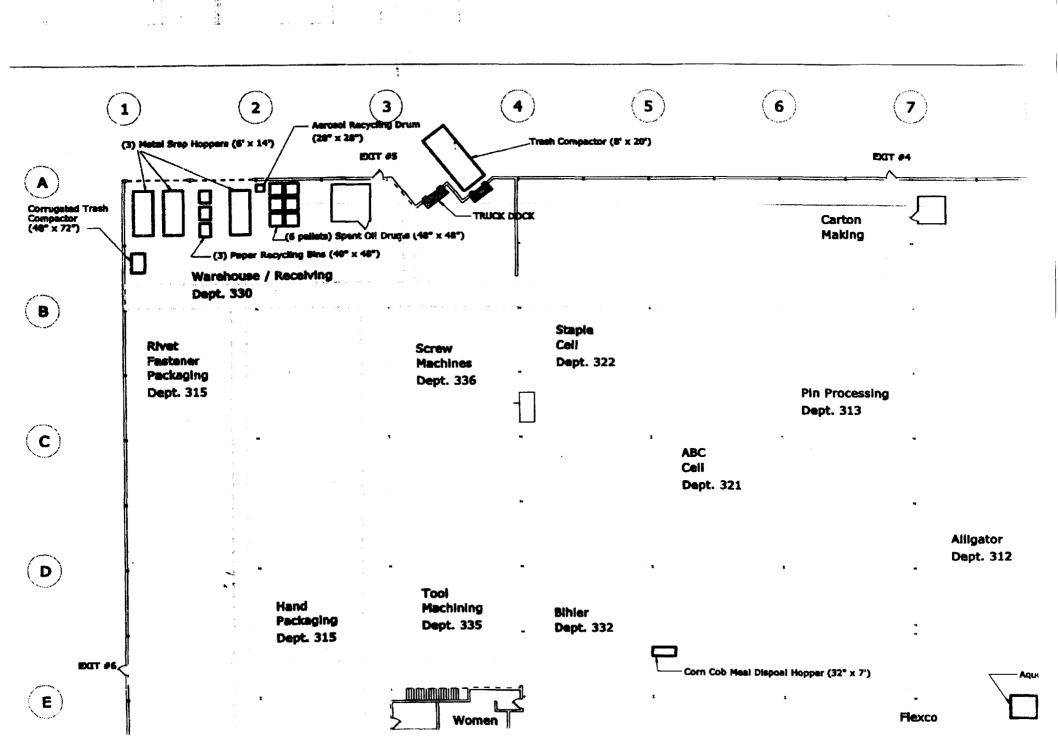
08-001

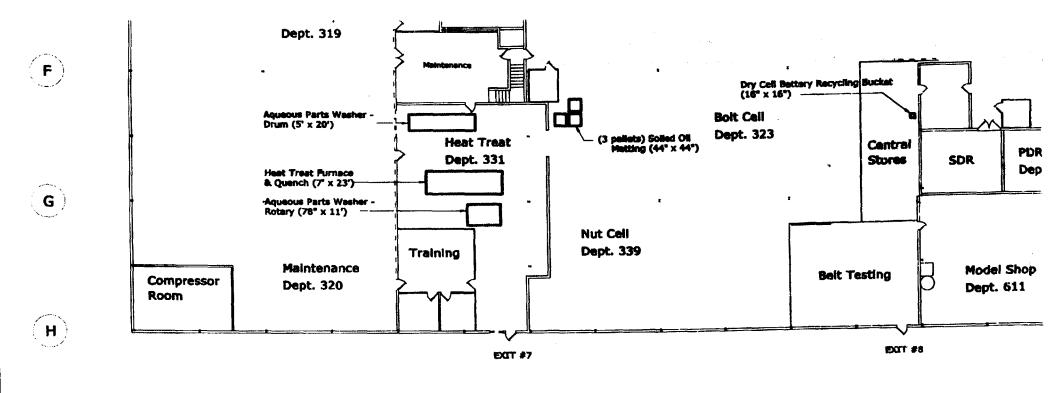
DOWNERS GROVE SANITARY DISTRICT PROHIBITED MATERIALS DISCHARGE REPORT July 1 through December 31, 2000

Company:	FLEXIBL	E STEEL LAC	ING COMPANY			
Location: 2	525 Wisco	onsin Downers	Grove, IL 60515			
This Report	was comp	leted by:	ROBER	- HAFE	Ey	
Title:	MALLUGA	CTURING	MANAGER	Phone:	630-971-	0150
sanitary sew amount; who	ver system. o was notii	Include the da	arges of materials ate, time and type ; how the spill was materials. Please	of materials s contained a	discharged; the and cleaned up;	and
(Please attac	ges occurr	ed during the r	eporting period, p	lease indicat	e that by checki	ing the
m I e ha Pi is	anaging co certify that ave been di rohibited N	ompliance with to the best of a umped or spille faterials Disch	e person or persons the accidental dis my knowledge and ed into the wastew arge Report. I fur Containment and C	charge report belief, no praters since fi ther certify t	rting requirement prohibited mater iling the last hat this facility	rials
The report m	ust be sign	ned by an autho	orized agent of the	company na	amed above:	-
Authorized	Agent:	Rosex (Please type	HARLY or print name)	Title: MAI	HUPACTURINE	<u>MAHIAGER</u>
Signature: _	1	2+ 4	2	_ Date:	1/12/01	_









Solid Waste Areas Map Drawn By: CAJAlbrecht 19 October 2001 Created in response to IEPA CERCLA request.

* Layout denotes storage locations a size of solid waste areas. NOTES:

TO BE COMPLETED BY WASTE GENERATOR

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL 2200 CHÚRCHILL ROAD, SPRINGFIELD, ILLINOIS 6270 0320584

•	2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS	62706
	(217) 782-6760 SPECIAL WASTE HAULING MANIFEST	Authorization Number 998649
FLEXIBLE STEEL LAC	man 2525 11150 1051	13
(Company Name)	Moress	0 4 3 0 3 00 0 0 3 G Generator Number 24
DOWNERS GROVE		Generator Number 24
	WASTE HAULER(S)	
BARON BLAKESLEE Hauler Name	1620 S LAPAMIE AVE Hauler Address	S.W.H. Registration Number <u>O / 3 9 O O 2</u>
		S.W.H. Registration Number
Hauler Name	Hauler Address	
	DESTINATION — DISPOSAL STORAGE OR TREATMENT SITE	
BARON BLAKES EN (Facility Name)	1620 SLARARIE AVE	03/60037
CICERO	TL 665	O Site is timber.
. City	State . Zip	
TO BE COMPLETED BY WASTE GENERATOR	ICHLOR ETLYLENZ	LIBUIN
WASTE NAME: 121	CHILDR CHIYEEN	WASTE PHASE: (Liquid, Gaseovs, Solid)
		•
	IANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIA	ITELY BELOW:
SHIPPING DESCRIPTI		W CHTFOR 7337 (R)
SPENT Soll		D.C.). USE 1332 TONS (circle one)
LIG. CING CA	APN DOIL	
EIGHT FOR I.E.P.A. USE MUST BE		GALLONS (Circle One)
ONVERTED TO CU. YDS. OR GAL.	QUANTITY OF WASTE DELIVERED: QQ 0 60	33
METHOD OF SHIPMENT (Circle One)	DRUMS TANK TRUCK OPEN TRUCK	OTHER (Specify)
HIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL A ACCORDANCE WITH THE APPLICABLE REGULATIONS OF	MASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AI FTHE DEPARTMENT OF TRANSPORTATION.	NO LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION,
HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN IN		
in lin lan	De 1 1 de 1	
DATE: 10/1/10	(Authorizati Signature)	
vaste hauler		
HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPEC NOICATED:	IAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDI	TION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS
" Thomas		DATE: (0) (7) 8
(Authorized Signature)		
2) (Authorized Signature)		DATE
DISPOSAL, STORAGE, OR TREATMENT FACILITY*		
	L waste and indicated quantity has been accepted at the site :	HAZARDOUS WASTE SUBJECT TO FEE YES NO
ICLA I PARA STATE ADVISOR SPECIA	E INVOICE AND INVOICED QUARTITIT THAS DECEN MUCE TED AT THE STIE .	CATE: 10 21 80
(Authorized Signature)		, UAIE OS
COMMENTS OR SPECIAL INSTRUCTIONS.		
	972 Units EMERGENAY AND OBIL & ACCIOTATION MILLIANS	leo
IN ILLINOIS: 217 / 782-3637	*24 Hour Emergency and spill assistance number	OUTSIDE ILLINOIS: 800 / 424-8802

PART - 4 HAULER

PART - 5 IEPA

PART - 3 SITE

PART - 2 IEPA

DISTRIBUTION: PART - 1 GENERATOR

O BE COMPLETED BY

ENVIRONMENTAL PROTECTION AGENCY

JAH 26 1991

<u>037910</u>1

VASTE GENERATOR

IN ILLINOIS: 217 / 782-3637

DISTRIBUTION: PART - 1 GENERATOR

DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706

	(217) 782-6760	
1	SPECIAL WASTE HAULING MANIFEST	Authorization Number 998649
TLEXIBLE STEEL LACING	2535 WISCONSIN AVENUE	,,
(Company Name)	Address	0430300003 G Generator Number 24
DOWNERS GROVE	<u> </u>	14 Generator Number 24
city	State Zip	
DARRI PLAKTOLT	WASTE HAULER(S)	
BARON BLAKESLEE Hauler Name	16.34 S LARAMIZ Hauler Address	S.W.H. Registration Number 013900
Traderior tradition	nanet cartiess	-
		S.W.H. Registration Number 32 3:
Hauler Name	Hauler Address	32 3:
	DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE	
Barrel Blade dans	and the second second	
GARON BLAKESLEE (Facility Name)	1634 S LARAMIE	
• • · · · · · · · · · · · · · · · · ·		37 Site number
Chicago City	State 60650	
TO BE COMPLETED BY	2,4	
	LORETHY LENE W	ASTEPHASS: Liquid
WASTE NAME:	W	(Lightid, Gaseous, Solid)
	•	
THE CORPLAN WARTE REING TRANSPORTER HINGER THIS MANIFE	ST IS OF THE DOT HAZARO CLASSIFICATION INDICATED IMMEDIATEL	A BELUM
SHIPPING DESCRIPTION	HAZARO CLASS:	i ocum.
1. Do G	Engl	WEIGHT FOR 3072 (BS)
MHDIE	<u> </u>	
The shlowall alan	0	·
Teichlorathylen	<u> </u>	-
WEIGHT FOR LE.P.A. USE MUST BE		1 GALLONS (Circle One)
CONVERTED TO CU. YDS. OR GAL	QUANTITY OF WASTE DELIVERED: 3 2 4	
		THER (Specify)
N ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE I	TS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND I DEPARTMENT OF TRANSPORTATION.	DASELED AND IS IN PROPER CONDITION FOR IRANSPORTATION,
HEREBY AGREE TO AND CERTIEV THE ABOVE WRITTEN INFORM		
DATE: 1/21/8/	How Jules	
	(Authorizad Signature)	· · · · · · · · · · · · · · · · · · ·
YASTE HAULER		
		•
HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL W	aste and quantity has been accepted in proper condition	n for transport and I acknowledge the destination as
INDICATED:		
WHR IN Leadelle		DATE 1 21 P
(Authorized Signature)	· .	34
(2)	•	DATE:
(Authorized Signature)		
DISPOSAL, STORAGE, OR TREATMENT FACILITY*		AZADDANIC WARYE GIDICAT TO CEE VEC NA
I UCDERY ACOTICY THAT THE ABOVE RESORDED POPULAR HAS		IAZARDOUS WASTE SUBJECT TO FEE YES NO
THERE I CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WAS	TE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPE	
Victor Komano		DATE: 01 43 8 A
(Authorized Signature)		W
COMMENTS OR SPECIAL INSTRUCTIONS:		
COMMENTS ON STECHE INSTRUCTIONS		

PART - 3 SITE

PART - 2 IEPA

24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS

PART - 4 HAULER

PART - 5 IEPA

OUTSIDE ILLINOIS: 800 / 424-8802

TO BE COMPLETED BY

IN ILLINOIS: 217 / 782-3637

DISTRIBUTION: PART - 1 GENERATOR

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 0376864

WASTE GENERATOR (217) 782-6760

	SPECIAL WASTE HAULING MANIFEST	Authorization Number 998649
FLEXIBLE STEEL LACING	2525 WISCONSIN AVENUE	
(Company Name) DOUIN ERS G-ROVE	TL 40515	0 4 3 0 3 0 0 0 3 G
City	State Zip	described (describe)
3	WASTE HAULER(S)	
BARON BLAKES LEE	1634 5 LARAMIE Hauter Address	S.W.H. Registration Number 013900S
Hauler Name	Hauler Address	S.W.H. Registration Number 32 38
	DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE	
BARON BLAKESLEE	1634 5 LARAMIE	03160037
(Facility Name)	· · · · · · · · · · · · · · · · · · ·	24 2/ CB Windlet 22
ChieAgo	ZL 606 50	ILD 004968509
TO BE COMPLETED BY		,
WASTE GENERATOR WASTE NAME: TRICK	LORETHY LEVE WAST	E PHASE: Liquid, Gaseous, Solid)
	/	C(Liquid, Gaseous, Solid)
	ST IS OF THE DOT HAZARO CLASSIFICATION INDICATED IMMEDIATELY	BELOW:
SHIPPING DESCRIPTION:	HAZARO CLASS:	WEIGHT FOR 1933 (BS)
TENE SOIVEN	C UN THONONE FOOT	0.0.T. USETONS (circle one)
WASTE TRICHIORE	THY/EVE MIXTURE ORNI-H	7
		1 GALLONS (Circle One)
MEIGHT FOR I.E.P.A. USE MUST BE CONVERTED TO CU. YOS. OR GAL	QUANTITY OF WASTE DELIVERED: 200 / 500	2 CU. 10S.
36	. "	a.
METHOD OF SHIPMENT (Circle One) ORU		ER (Specify)
N ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE D	IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LAI EPARTMENT OF TRANSPORTATION.	BELED AND IS IN PROPER CONDITION FOR TRANSPORTATION,
HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORM.		
DATE 2-24-8/	(V) and alla	
DATE: 27 4 - 07	Pagherized Signature)	
WASTE HAULER		
HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WA	ASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION I	FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS
INDICATED:		0.21 6
(1)		DATE: 21241 8/
(Authorized Signature)		
(2)(Authorized Signature)	· ·	DATE
DISPOSAL, STORAGE, OR TREATMENT FACILITY*		
LUEDEBY ACCITICY THAT THE ABOVE RECOGNER CORP.	_	ARGOUS WASTE SUBJECT TO FEE YES NO
I DENEMI CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WAST	E AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIF	
(Authorized Signature)		DATE 03 06 81
Andrew or Burney		
COMMENTS OR SPECIAL INSTRUCTIONS:		

24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS

OUTSIDE ILLINOIS: 800 / 424-8802

O BE COMPLETED BY NASTE GENERATOR

DISTRIBUTION: PART - 1 GENERATOR

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 <u>0376865</u>

(217) 782-6760 SPECIAL WASTE HAULING MANIFEST Authorization Number 298649 WASTE HAULER(S) S.W.H. Registration Number. Hauler Name Hauler Address DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE TO BE COMPLETED BY ASTE GENERATOR (Liquid, Gaseous, Solid) THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW. SHIPPING DESCRIPTION: TRICKLORZTHY WEIGHT FOR I.E.P.A. USE MUST BE CONVERTED TO CU. YDS. OR GAL. QUANTITY OF WASTE DELIVERED: METHOD OF SHIPMENT (Circle One) ORUMS TANK TRUCK **OPEN TRUCK** OTHER (Specify). THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION. ! HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION **WASTE HAULER** I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED: DATE: 3 3 3 4 Authorized Signature) (2) (Authorized Signature) DISPOSAL STORAGE, OR TREATMENT FACILITY* HAZARDOUS WASTE SUBJECT TO FEE JHAT THE ABOVE_DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE: DATE: 03 06 81 (Authorized Signature) COMMENTS OR SPECIAL INSTRUCTIONS: *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* IN ILLINOIS 217 / 782-3637 **OUTSIDE ILLINOIS: 800 / 424-88**02

PART - 4 HAULER

PART - 2 IEPA

PART . 6 C

PART - 5 IEPA

O BE COMPLETED BY

IN ILLINOIS: 217 / 782-3637 DISTRIBUTION: PART - 1 GENERATOR ENVIRONMENTAL PROTECTION AGENCY

0376868

COMMENTS OR SPECIAL INSTRUCTIONS:		
(Authorized Signature)	·	DATE: 4 22 8/
	— haza Cial waste and indicated quantity has been accepted at the site specifi	RDOUS WASTE SUBJECT TO FFE YES NO Z
(Authorized Signature) DISPOSAL, STORAGE, OR TREATMENT FACILITY	•	
(2)		DATE:
1) StD M head	lle	DATE 4 LY 8
HEREBY CERTIFY THAT THE APOYETESCRIBED S	PECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FO	
NASTE HAULER		
DATE: 7/19/8/	(Jastifertzud Signature)	
HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTE	N INFORMATION	
HIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECI N ACCORDANCE WITH THE APPLICABLE REGULATIONS	AL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABO S OF THE DEPARTMENT OF TRANSPORTATION.	ELED AND IS IN PROPER CONDITION FOR TRANSPORTATION,
METHOD OF SHIPMENT (Circle One)	ORUMS TANK TRUCK OPEN TRUCK OTHER	ł (Specify)
FEIGHT FOR I.E.P.A. USE MUST BE CONVERTED TO CU. YDS. OR GAL.	QUANTITY OF WASTE DELIVERED: QQQQQ	2 CU. YDS.
TRICHLOR ET	THENE ORN-A	C ANLONG MILES
WASTE	F001 UN 1/10	WEIGHT FOR 3360 (BS) TORS (circle one)
SHIPPING DESCR	IS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BE IFTION: HAZARD CLASS:	
UE COECIAI WASTE BEIMS TRANSCROTES HARES TO	IS MANIFEST IS OF THE DOT HATARD AN ASSESSMATION INDICATED MANIFOLISTIV OF	:IOM-
VASTE GENERATOR WASTE NAME: 72	CICHLORETHYLENE WASTE	PHASE: LIQUIA Gaseous, Solid)
O SE COMPLETED BY	State Zip	
(Facility Name)	Address 606 50	16004968509
3ARON BLAKESLEE	1634 S LARAMIE	03160037 39 Site Number "4
nenisi nems	Hauler Address DESTINATION — DISPOSAL STORAGE OR TREATMENT SITE	-4 38
Hauler Name	Haulay Address	S.W.H. Registration Number 0. 13900
Hauler Name	Hauler Address	S.W.H. Registration Number Q139005
BARON BLAKESLEE	WASTE HAULER(S) . 1634 S LARA MIZ	0130005
DOUNTERS GROVE	State 605/3	0430300003 G Generator Number 24
FLEXIBLE STEEL LAC (Company Name)	MAGES	TLD 00509 4230
	SPECIAL WASTE HAULING MANIFEST	Authorization Number 998649
2	2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 6270 (217) 782-6760	U :

PART - 4 HAULER

PART - 5 IEPA

PART - 2 IEPA

OUTSIDE (LLINOIS: 800 / 424-8802

SCALE UP ILLINUIS

TO BE COMPLETED BY WASTE GENERATOR

ISTRIBUTION: PART - 1 GENERATOR

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 0379105

4 II I INOIS 217 / 792-3637	*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBER	S° OUTSIDE HILINOIS SON / 424 SSO
OMMENTS OR SPECIAL INSTRUCTIONS:		· · · · · · · · · · · · · · · · · · ·
(Authorized Signature)		DATE OS OF 8 1
1	H Waste and indicated quartity has been accepted at the site spe	
(Authorized Signature) 2) (Authorized Signature) 2) (Authorized Signature)		
1) BJ B Museull (Authorized Signature)		DATE:
HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL NO ICATED:	L WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITIO	N FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS
YASTE HAULER	(Netherized Signature)	
HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFO	Word alen	
V ACCORDANCE WITH THE APPLICABLE REGULATIONS OF T		MO IS IN FROMER COMMITTION FOR IRANSPORTATION,
(THER (Specify)
VEIGHT FOR LE.P.A. USE MUST BE XNVERTED TO CU. YOS. OR GAL	QUANTITY OF WASTE DELIVERED: Q G G G	GALLONS (Gricle One)
TRICHLORETHY	LENZ ORK-A	
WASTE	FOO1 4N# 1710	WEIGHT FOR 1833 TOMS (circle one)
THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MAI SHIPPING DESCRIPTION	NIFEST IS OF THE DOT HAZARO CLASSIFICATION INDICATED IMMEDIATED N:	Y BELOW:
		(Lif(uid, Gaseous, Solid)
TO BE COMPLETED BY WASTE NAME: TRIC	CLLORETHYLENE	ASTE PHASE Liquid
Chicago	### ### ##############################	- ILD 004968509
BARON BLAK ESLEE (Facility Name)	1634 S LAR AMIE	O 3160037
	DESTINATION — DISPOSAL STORAGE OR TREATMENT SITE	
Hauler Name	Hauler Address	S.W.H. Registration Number <u>Q 13900</u>
Hauler Name	Hauter Address	ILD 004968 509
BARON BLAKESLEE	WASTE HAULER(S) 1634 5 LARAMIE	S.W.H. Registration Number 0139005
DOWNERS GROVE	- I 60515	0 4 3 0 3 0 0 0 3 G Generator Number
FLEXIBLE STEEL LACING (Company Name)	2525 WISCONSIN Address	ILD 005094230
	SPECIAL WASTE HAULING MANIFEST	Authorization Number 998647
	2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62 (217) 782-6760	

PART - 4 HAULER

PART - 5 IEPA

PART - 6 GENERATOR

PART - 3 SITE

PART - 2 IEPA

TO BE COMPLETED BY WASTE GENERATOR

DISTRIBUTION: PART - 1 GENERATOR

ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706

0379104

(217) 782-6760 SPECIAL WASTE HAULING MANIFEST Authorization Number 498647 TLD 005094230 0430300003 G Generator Number 24 50515 WASTE HAULER(S) S.W.H. Registration Number 25 139005 ILD 004968 509 S.W.H. Registration Number 0 13 9005 Hauler Name Hauler Address DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE LARAMIE 03/60037 Site Number ILD 004968*50*9 TO BE COMPLETED BY WASTE BENERATOR Liquid, Gaseous, Solid) WASTE PHASE: THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE OOT HAZARO CLASSIFICATION INDICATED IMMEDIATELY BELOW: SHIPPING DESCRIPTION: TRICHLORETHYLENE WEIGHT FOR I.E.P.A. USE MUST BE CONVERTED TO CU. YDS. OR GAL QUANTITY OF WASTE DELIVERED: METHOD OF SHIPMENT (Circle One) (DRUMS) TANK TRUCK OPEN TRUCK OTHER (Specify). THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION. I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION gneture) WASTE HAULER I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED; DATE 5 1/91 8/ (Authorized Signature) (Authorized Signature) DISPOSAL, STORAGE, OR TREATMENT FACILITY* HAZARDOUS WASTE SUBJECT TO FEE YES. above_described special waste ano indicated quantity has been accepted at the site specified above: DATE: 06 01 81 (Authorized Signature) COMMENTS OR SPECIAL INSTRUCTIONS: *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* IN ILLINOIS: 217 / 782-3637 **OUTSIDE ILLINOIS: 800 / 424-8802**

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 2 IEPA

STATE OF ILLINOIS <u>0379103</u> ENVIRONMENTAL PROTECTION AGENCY TO BE COMPLETED BY DIVISIÓN OF LAND POLLUTION CONTROL **MASTE GENERATOR** 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-6760 SPECIAL WASTE HAULING MANIFEST Authorization Number 798647 ILD 00509 4230 4 3 0 3 0 0 0 0 3 G Generator Number 24 WASTE HAULER(S) S.W.H. Registration Number 0139001 1LD004968509 Hauler Name Hauler Address DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE i CAGO TO BE COMPLETED BY WASTE GENERATOR WASTE PHASE: THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARO CLASSIFICATION INDICATED IMMEDIATELY BELOW: SHIPPING DESCRIPTION: HAZARD CLASS: WEIGHT FOR TRICHLARTTHYLEME (Circle One) WEIGHT FOR I.E.P.A. USE MUST BE CONVERTED TO CU. YOS. OR GAL QUANTITY OF WASTE DELIVERED: DRUMS METHOD OF SHIPMENT (Circle One) TANK TRUCK OPEN TRUCK OTHER (Specify). THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION. IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION. AND CERTIFY JHE ABOVE WRITTEN INFORMATION DATE: **WASTE HAULER** I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED: DATE: 6 1 171 8/ (2). (Authorized Signature) DISPOSAL, STORAGE, OR TREATMENT FACILITY' HAZARDOUS WASTE SUBJECT TO FEE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE: CATE 06 23 8 / (Authorized Signature) COMMENTS OR SPECIAL INSTRUCTIONS: *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* OUTSIDE | LLINOIS: 800 / 424-8802 IN ILLINOIS: 217 / 782-3637

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 2 IEPA

DISTRIBUTION: PART - 1 GENERATOR

PART - 6 GFMCOATOO

TO BE COMPLETED BY WASTE GENERATOR

ILLINOIS: 217 / 782-3637
STRIBUTION: PART - 1 GENERATOR

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 0379102

WASTE	GENERATOR
	_

•	(217) 782-6760	
	SPECIAL WASTE HAULING MANIFEST	Authorization Number 998647
FLEXIBLE STEEL LACIUS	2525 WISCONSIN	71005094230
(Company Name)	Address	0430300003 G Generator Number
DOWNERS GROVE	Z 60515 State	Generator Number 24
	WASTE HAULER(S)	
BARON BLAKESLEE	1634 S LARAMIE Hauler Address	S.W.H. Registration Number 0139005
		PLD004968509
Hauler Name	Hauler Address	S.W.H. Registration Number
	DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE	
BARON BLAKESLEE (Facility Name)	1634 S LAPAMIE	03160037 39 Site Number 49
Chicago	ZL 6065	
City	State IIp	120004968509
D RE COMPLETED BY VASTE GENERATOR TRICL	1	MASTER BULLOCE LIQUÍL
WASTE NAME: //E/CM	LORETLYLENE	NASTE PHASE: (Liquid Gascous, Solid)
_	•	
HE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST	IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIAT	ELY BELOW:
SHIPPING DESCRIPTION:	HAZARD CLASS:	
WASTE	FOOL 45 171	WEIGHT FOR 1279 (BS) O.O.T. USE 1279 (Circle one)
,		U.W.I. USE
TRICHLORETHYLE	NE ORN-A	
EIGHT FOR I.E.P.A. USE MUST BE ONVERTED TO CU. YDS. OR GAL. QU	ANTITY OF WASTE DELIVERED: Q 0 0 1 0	GALLONS (Circle One)
METHOD OF SHIPMENT (Circle One) 2 DRUMS		OTHER (Specify)
ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEP	ARTMENT OF TRANSPORTATION.	
EREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATI	on O	
DATE: 7/2/8/	How dulen	
UNIE	(Aethorized Signeture)	
ASTE HAULER		
HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WAST	E AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDIT	ON FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS
BHR A Guerelell		DATE: 21 21 82
(Authorized Signature)		-
)(Authorized Signature)	 .	DATE:
ISPOSAL, STORAGE, OR TREATMENT FACILITY		MANAGE MAINT MAINT TO SEE ME ME
IEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE A	NO INDICATED CHANTITY HAS SEEN APPEATED AT THE SITE S	HAZARDOUS WASTE SUBJECT TO FEE YES NO
	THE STIE OF THE PROPERTY OF THE STIES OF THE	•
(Authorized Signature)		DATE: 27 -9 8)
MMENTS OR SPECIAL INSTRUCTIONS:		

PART - 3 SITE

PART - 2 IEPA

24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS

PART - 4 HAULER

OUTSIDE ILLINOIS: 800 / 424-8802

PART - 6 GENES

PART - S IEPA

) BE COMPLETED BY ASTE GENERATOR

DISTRIBUTION: PART - 1 GENERATOR

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706

0350330	
1	

(217) 782-6760 SPECIAL WASTE HAULING MANIFEST Authorization Number 998647 XW005094230 WISCONSIN 0300003 G Generator Number 24 WASTE HAULER(S) S.W.H. Registration Number 0139008 5 LARAMIE Hauler Address ILD 004968509 S.W.H. Registration Number ______ Hauler Name Hauler Address DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE Address ZLD004968589 City State Zio D BE COMPLETED BY 'ASTE GENERATOR TRICKLORZTHYLENE WASTE PHASE: HE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW: SHIPPING DESCRIPTION: WEIGHT FOR GALLONS Circle One) EIGHT FOR LE.P.A. USE MUST BE ONVERTED TO CU. YDS. OR GAL QUANTITY OF WASTE DELIVERED: METHOD OF SHIPMENT (Circle One) TANK TRUCK OPEN TRUCK OTHER (Specify). HIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, I ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION. HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION erlature) **VASTE KAULER** HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS WDICATED: DATE: 1/7/8 Othorized Signature) (Authorized Signeture) DISPOSAL, STORAGE, OR TREATMENT FACILITY* HAZARDOUS WASTE SUBJECT TO FEE -DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE: DATE: 07 22 81 (Authorized Signature) COMMENTS OR SPECIAL INSTRUCTIONS: *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* IN ILLINOIS: 217 / 782-3637 **OUTSIDE ILLINOIS: 800 / 424-88**02

PART - 4 HAULER

PART - 5 IEPA

PART - 3 SITE

PART - 2 IEPA

O BE COMPLETED BY **VASTE GENERATOR**

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL <u>0320585</u>

2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706-(217) 782-6760 SPECIAL WASTE HAULING MANIFEST Authorization Number 998647430300083 G Generator Number State S.W.H. Registration Number 21 3 90 0 / ZLD 004 968509 S.W.H. Registration Number _____ Hauler Address Hauler Name DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE 03160037 Site Number 44 *ユ*メ*取∞*�������� City Ζip TO BE COMPLETED BY WASTE GENERATOR WASTE NAME: TRICKLORETRYLENE THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW: SHIPPING DESCRIPTION: HAZARD CLASS: WEIGHT FOR GALLONS WEIGHT FOR I.E.P.A. USE MUST BE CONVERTED TO CU. YDS. OR GAL. QUANTITY OF WASTE DELIVERED: METHOD OF SHIPMENT (Circle One) DRUMS **OPEN TRUCK** OTHER (Specify). THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION. HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION **WASTE HAULER** I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED DATE: 8 12 8/4 orized Signature) (Authorized Signature) DISPOSAL STORAGE, OR TREATMENT FACILITY® HAZARDOUS WASTE SUBJECT TO FEE ABOYE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE: DATE: 0 8 1 4 9 8 1 (Authorized Signature) COMMENTS OR SPECIAL INSTRUCTIONS:

24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS IN ILLINOIS 217 / 782-3637

OUTSIDE ILLINOIS: 800 / 424-8802

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA PART - 6 GEI

D BE COMPLETED BY 'ASTE GENERATOR

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

0320590

2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-6760 SPECIAL WASTE HAULING MANIFEST Authorization Number 998649 TLD 005094230 GROVE S.W.H. Registration Number 6/3 900/ TLD004968509 S.W.H. Registration Number 2/3500/ Hauler Address Hauler Name DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE 03/66837 30 Site Number 46 6065 TLD004968509 BE COMPLETED BY ASTE GENERATOR WASTE NAME TRICK LORETLY LENG WASTE PHASE E SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW: SHIPPING DESCRIPTION: **WEIGHT FOR** TRICHLORETHYLENE EIGHT FOR LE.P.A. USE MUST BE NYERTED TO CU. YDS. OR GAL. QUANTITY OF WASTE DELIVERED: _ ORUM3 METHOD OF SHIPMENT (Circle One) 3 TANK TRUCK **OPEN TRUCK** OTHER (Specify) IS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION. ND CERTIFY THE ABOVE WRITTEN INFORMATION **ASTE HAULER** HEREBY CERTIFY THAT DICATED: THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS DATE: \$1321 \$1 (Authorized Signature) SPOSAL STORAGE, OR TREATMENT FACILITY HAZARDOUS WASTE SUBJECT TO FEE THE ABOVE-OFFICED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE: DATE 09 22 84 (Authorized Signature) MMENTS OR SPECIAL INSTRUCTIONS:

24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS ILLINOIS: 217 / 782-3637

OUTSIDE ILLINOIS: 800 / 424-8802

IO BE COMPLETED BY

DISTRIBUTION: PART - 1 GENERATOR

REV. # 3

PART - 2 IEPA

PART - 3 SITE

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-8760

Authorization Number 998647

	SPECIAL WAS	TE HAULING MANIF	EST .	1	13
FLEXIBLE STEEL 2	525 WISCON	510 97	1-0150 0	4303000	203 <u>:</u>
DOWNERS GROVE	IL 605	15		D00509	4230
- City	State Op	ASTE HAULER(S)		EPA Number	
_		• •			
BARON BLAKESLEE 1630				stration Number $\frac{2}{25}$ $\frac{1}{25}$	7005
	•	3/2-450-5 Phone Nuclibe		TLD 00496 EPA Number	8509
Hauler Name	Hauler Address		S.W.H. Regi	stration Number	
		· · · · · · · · · · · · · · · · · · ·			
	DESTINATION DISP	Phone Numbe		EPA Number	
BARON BLAKESLEE	1634 SLARA Address		ENI SIIE	0 3 1 6 1 31 Sita Nun	0 037 nber
ChiananCiarson	11 6	050 312	2-450-3910	71100401	9500
Lity	State	Zip	Phone Number	Z L D @ 44 9 6 EPA Number	2221
Alternate (Facility Name)	Address			39 SRe Nu	mber 46
City	State	Zio -	Phone Number	EPA Number	- — — — —
O BE COMPLETED BY ASTE GENERATOR	LLORETHYL			, •	
TEICHDRETHYLENE _	ARD CLASS: + CO WEIGHT FOR I.E.P.A.: USE MUST	UN or NA	•	ORULA EPA HW Number 1.50 1 GALL	ONS (circle One)
O.T. USE TURS (circle one)	Converted to Cu. Yos. or Ba	L. CUMMITT OF WASIE		2 00.7	OS
METHOD OF SHIPMENT (Circle One) (DRUMS_	TANK TRUCK	OPEN TRUCK	OTHER (Specify)		 .,
HIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE P I ACCORDANCE WITH THE APPLICABLE REGULATIONS OF TI HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFO	HE ILLINOIS DEPARTMENT OF	ANSPORTATION AND I.679		R CONDITION FOR TRANSPORTA DATE: 9/2/	TION.
		(Authorized Signal	ture)		·
I HEREBY CERTIFY THAT THE AF		IANTITY HAS BEEN ACCEPT	ED IN PROPER CONDITION FOR	TRANSPORT AND I ACKNOWLED	OGE
) BAB Sucarelle (Mitherized Signature)	16			DATE: \$\frac{2}{4} \frac{2}{4}	11 2/
(Authorized Signature)				. DATE:/	J
ISPOSAL, STORAGE, OR TREATMENT FACILITY*					
HEREBY BERTIFY THAT THE ABOVE-DESCRIBED WASTE AN	IO INDICATED QUANTITY HAS BE	EN ACCEPTED AT THE SITE		UBJECT TO FEE YES	NO <u></u>
(Authorized Signature)	2			DATE: Q 9 &	[2] <u> </u>
COMMENTS OR SPECIAL INSTRUCTIONS:					•
				•	
N II LINOIS: 217 / 782-3637	"24 HOUR EMERGEN	CY AND SPILL ASSISTANCE	NUMBERS* OI	JTSIDE ILLINOIS: 800 / 424-880	2 or 202 / 426-267

PART - 4 HAULER

PART - 5 IEPA

PART 6 - GENERATOR

) BE COMPLETED BY ASTE GENERATOR

N ILLINOIS: 217 / 782-3637

DISTRIBUTION: PART - 1 GENERATOR

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-6760

0	3	2	0	5	8	9	
ī	_		_	_	_	7	

		SPECIAL WASTE HAL	JLING MANIFEST	Authoriz	ration Number <u>998647</u>
FLEXIBLE ST	EEL LACING	2525 Wisc	ONSIN		005094230
(Company Name)		Address Z	60515	04.	3 0 3 0 0 0 0 3 0
City	<u> </u>	State	Zip	·	
BARON BLA	KESLEE /	WASTE HAU	ILER(S)	S.W.H. Registration	Number 0 13 900.
. Hauler Name		Hauler Address		_	25
•				ILD ∞4 S.W.H. Registration	·
Hauler Nami		Hauler Address			33
		DESTINATION — DISPOSAL STO	JRAGE OR TREATMENT SITE		
RON BLAKE (Facility Name	ESLEE 1	1634 5 LAR	AMIE	. · 	0316003 Site Number
(racinty reme	, 	Paydiga		7,0	
City		State	Zip		
SE COMPLETED BY ISTE BENERATOR WAS	TENAME TRICKL	ORETHYLEN	E. WA	ste Phase:	Liquid
		7			(Liquid, Gaseous, Solid)
E SPECIAL WASTE BEING TRANSP	ORTED UNDER THIS MANIFEST IS SHIPPING DESCRIPTION:	S OF THE DOT HAZARD CLASSIFICA	ntion indicated immediatel' Iazard Class:	Y BELOW:	
WAS		" "	4N#1718	2 SEIGHT FOR 3.0.T. USE.	18/13 (BS)
		POOL			TONS (circle on
TRIC	PORETHYEN	VE OR	N-19	_	
IGHT FOR LE.P.A. USE MUST BE NVERTED TO CU. YDS. OR GAL		INTITY OF WASTE DELIVERED:	00150	2 CU. YO	(Circle One)
mented by the location	3	47	<u> </u>		ন্ধে
METHOD OF SHIPMEN		TANK TRUCK	•	HER (Specify)	OCD ASMATISM CON TRANSPORTATION
ACCORDANCE WITH THE APPLICA	BLE REGULATIONS OF THE DEPA	PROPERLY CLASSIFIED, DESCRIBE URTMENT OF TRANSPORTATION.	D, PACKAGED, MAKKED, AND L	ARETEN WAN 12 IM LKO	PER CONDITION FOR TRANSPORTATION,
EREBY AGREE TO MAD CERTIFY T	AE ABOVE WRITTEN INFORMATIC	où · l	ſ	•	
DATE 9/28/	81	Word	ulen		
		(Authorizad	Signature)		
ASTE HAULER					
HEREBY CERTIFY THAT THE AND	IVE-DESCRIBED PECIAL MASTE	E AND QUANTITY HAS BEEN ACC	EPTED IN PROPER CONDITION	FOR TRANSPORT AND	I ACKNOWLEDGE THE DESTINATION AS
1100/11	Ille	•			0.200
JAIMAN	ed Signature)			·	DATE: 2 241 P
(AUDIONZE	in refunction		•		DATE:
	ed Signature)		·	·	
ISPOSAL, STORAGE, OR TREAT	MENT FACILITY*		. н	AZARDOUS WASTE SUBJE	CT TO FEE YES NO
HEREBY CERTIFY THAT THE ACTIV	E-DESCRIPED SPECIAL WASTE A	ND INDICATED QUANTITY HAS BEE	EN ACCEPTED AT THE SITE SPEC	CIFIED ABOVE:	A
ICO Che	Konono			•	DATE: <u>0930</u> 8
(Authorized Sig	jneture)				
OMMENTS OR SPECIAL INSTRUCT	10NS:				
			· · · · · · · · · · · · · · · · · · ·		

PART - 4 HAULER

PART - S IEPA

24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS

PART - 3 SITE

PART - 2 IEPA

OUTSIDE ILLINO IS: 800 / 424-8802

TO BE COMPLETED BY

DISTRIBUTION: PART - 1 GENERATOR

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217)-782-6760 <u>0376867</u>

WASTE GENERATOR

	SPECIAL WASTE HAULING MANIFEST	Authorization Number 998 649
FLEXINE STEELLACING (Company Name)	2525 WISCONSIN	ILD 005 09 4230
DOWNERS GROVE	ZL 6051.5 State Zip	043030003 G Generator Number
BARON BLAKESLEE	WASTE HAULER(S) 1634 S LARAMIE	S.W.H. Registration Number 0139005
nauler name	nauter Agg ress	ILD 00496 8509
Haufer Name	Haufer Address	S.W.H. Registration Number 32 38
	DESTINATION — DISPOSAL STORAGE OR TREATMENT SITE	
BARON BLAKESLEE (Facility Mame)	1634 S LARAMIE	<u>Q3160037</u> Site Number
CICERO City	ZL 60656	ILD 004 96 8509
TO BE COMPLETED BY WASTE GENERATOR	1	FPHASE LIQUID
WASTE NAME:	WAS:	E PHASE: (Liquid, Gaseous, Solid)
THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFE	EST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY	BELOW:
SHIPPING DESCRIPTION:	HAZARO CLASS	WEIGHT TO 1 / (/O 100
WASTE	FOOL 4N# 1710	WEIGHT FOR 1,6 42 LBS TONS (circle one)
TRICHLORETHYL	ENE ORM-A	
WEIGHT FOR LE.P.A. USE MUST BE CONVERTED TO CU. YDS. OR GAL	QUANTITY OF WASTE DELIVERED: 0 0 0 5	CU. YOS (Circle One)
METHOO OF SHIPMENT (Circle One) 3 GRI	UMS) TANK TRUCK OPEN TRUCK OTH	ER (Specify)
THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTS IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE I	LIS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LAI DEPARTMENT OF TRANSPORTATION.	BELED AND IS IN PROPER CONDITION FOR TRANSPORTATION.
I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORM	NATION	
DATE 10-15-81	flowed when	
WASTE HAULER	(Authorized Signature)	
I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WINDICATED:	ASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION	
(1) BAR Messelle (Authorized Signature)		DATE SA S
(2)(Authorized Signature)	· ·	DATE:
DISPOSAL, STORAGE, OR TREATMENT FACILITY*		ARDOUS WASTE SUBJECT TO FEE YES NO
I HEREBY CERTIFY THAT THE ABOYE DESCRIBED SPECIAL WAS	HAZ TE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIF	· · · · · · · · · · · · · · · · · · ·
(Authorized Signature)		DATE 10 33 8
COMMENTS OR SPECIAL INSTRUCTIONS:		
	·····	
IN ILLINOIS: 217 / 782-3637	*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS*	OUTSIDE ILLINOIS: 800 / 424-880

PART - 2 IEPA

PART - 3 SITE PART - 4 HAULER PART - 5 IEPA

PART - 6 GF

O BE COMPLETED BY /ASTE GENERATOR

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 0555057

Authorization Number 998649 (217) 782-6760 SPECIAL WASTE HAULING MANIFEST 1N 312 97 10150 043 03 00 003 6 Phone Number 14 Generator Number 24 S.W.H. Registration Number 0/39001 3124503900 ILD004968509 S.W.H. Registration Number Hauler Name Hauler Address Phone Number **EPA Number** DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE 03160037 650 3124503900 LD 004968509 Alternate (Facility Name) Address Site Number EPA Number BE COMPLETED BY ASTE GENERATOR WASTE PHASE: IE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW: HAZARD CLASS: WASTE TRICKLORETHYLENE WEIGHT FOR I.E.P.A. USE MUST BE TONS (circle one) CONVERTED TO CU. YDS. OR GAL. (DRUMS METHOD OF SHIPMENT (Circle One) TANK TRUCK **OPEN TRUCK** OTHER (Specify) IIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION. IS IS TO CERTIFY THAT THE ABOVE-HAMED WAS IS ARE PROPERLY SCHOOL FOR THE ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND I.E.P. TEREBY AGREE TO AND CERTIFY THE ARCVE WRITTEN INFORMATION d Signature) ASTE HAULEN I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE DATE: 419 81 (Authorized Signature) (Authorized Signature) ISPOSAL, STORAGE, OR TREATMENT FACILITYS HAZARDOUS WASTE SUBJECT TO FEE YES ABOYE-DESCRIBED WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE: DATE: 4 1 19 8 2 (Authorized Signature) DMMENTS OR SPECIAL INSTRUCTIONS:

ILLINOIS: 217 / 782-3637

ISTRIBUTION: PART - 1 GENERATOR PART - 2 IEPA PART - 3 SITE PART - 4 HAULER PART - 5 IEPA

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675

PART 6 - GENERATOR

24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS

O BE COMPLETED BY VASTE GENERATOR

ISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 0555058

(217) 782-6760

SPECIAL WASTE HAULING MANIFEST

Authorization Number 998649

2525 WISCONSIN 312 97 1 0150
Address 7 L D 0 0 5 0 9 4 2 3 0 WASTE HAULER(S) I10004968509 3124503900 S.W.H. Registration Number EPA Number DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE ICERO Alternate (Facility Name) Address ASTE GENERATOR IE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOY HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW: HAZARD CLASS: WASTE 1710 WEIGHT FOR LE P.A. USE MUST RE QUANTITY OF WASTE DELIVERED: 0 CONVERTED TO CU. YOS. OR GAL. UNS (circle one) .. METHOD OF SHIPMENT (Circle One) (ORUMS TAME TRUES OPEN TRUCK OTHER (Specify) HIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, I ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND LIE.P.A. HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION **/ASTE HAULER** I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE (Authorized Signature) ISPOSAL, STÉRAGE, OR TREATMENT FACILITY' KAZARDOUS WASTE SUBJECT TO FEE YES. waste and indicated quantity has been accepted at the site specified above: DATE: 1 2 0 1 8 1 (Authorized Signature) DMMENTS OR SPECIAL INSTRUCTIONS: *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675 I ILLINOIS: 217 / 782-3637

PART - 4 HAULER

PART - S IEPA

PART 6 - GENERATOR

PART - 3 SITE

O BE COMPLETED BY VASTE GENERATOR

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

	2200 CHURCH	ILL ROAD, SPRINGFIELD,	ILLINOIS 62706	000	
	SPECIA	(217) 782-6760 AL WASTE HAULING MA	NIFEST	Authorization Number 9986	49
FLEXIBLE STEEL	2525 4)1S	CONSIN 312	9710150 (2 4 3 0 3 0 0 0 0 5 Generator Number	3 <u> </u>
POWNERS GROVE		60515		L D 0 0 5 0 9 4 2.	
ony	31216	WASTE HAULER(S)		EPA NUMBER	
		`;	•		
BARON BLAKESLEZ 10	634 S LARAM	Y) E	S.W.H. Re	gistration Number	
riquigi remine	Liegist Maginga	3/2450 Phone N	03900	ILD 004 9685	
	<u> </u>			gistration Number 0/390	
Hauler Name	Hauler Address	•	•	77	38
		Phone N	umber	EPA Number	
		- DISPOSAL STORAGE OR TRE	ATMENT SITE		
BARON BLAKESLEE (Facility Name)	1634 5 L	7865		0316003 39 Site Number	
CICERO City	State	<u>60650</u> 3	3124503900 Phone Number	71.D.0049685	०१
Alternate (Facility Name)	Addi	THES		Site Number	- 46
City	State	Zip	Phone Number	EPA Number	<u> </u>
TO BE COMPLETED BY WASTE GENERATOR	and in a settle			1: and	
WASTE NAME:	CICLLORETH	HAZARO CLASSIFICATION INDICA	WASTE PHASE: ATEO IMMEDIATELY RELOW:	(Liquid, Gaseous, Solid)	
SHIPPING DESCRIPTION: WASTE	HAZARO CLASS:	••		0 0 11 A	•
TRICHLAZETHYLENZ	_ 7001	UN O	1 7 0 r NA Number	EPA HW Number	
WEIGHT FOR 367/ USS (circle on	WEIGHT FOR I.E.P.A. U CONVERTED TO CU. YO	ISE MUST BE QUANTITY OF W	ASTE DELIVERED:	300 2 GALLONS Circle	One)
METHOD OF SHIPMENT, (Circle One)	RUMS () TAI	NK TRUCK OPEN TRUCK	OTHER (Specify)		~
THIS IS TO CERTIFY THAT THE ABOVE-NAMED WAST IN ACCORDANCE WITH THE APPLICABLE REGULATION				PER CONDITION FOR TRANSPORTATION,	,
HEREBY AGREE TO AND CERTIFY THE ABOVE WRITT	••	Word (Authorized	ulen	DATE: 12/22/8	1
WASTE HAULER L HERERY CERTIEV THAT		T AMB GHANTING HAR BEEN AS		TO TO A NECOCOT A NO. 1 ACKNOWN COCC	
	THE ABOVE-DESCRIBED WAST	IE ARU QUANTITY HAS BEEN AU	CEPTED IN PROPER CONDITION H	IN INANSPURI AND I ACKNOWLEDGE	
THE DESTINATION AS IN		ie and guantiit has been au	CEPTED IN PROPER CONDITION F		٠.
		ie and quantity has been au	CEPTED IN PROPER CONDITION P	DATE: 22/22/	84
THE DESTINATION AS IN		ie and quantity has been au	CEPTED IN PROPER CONDITION P		84
(Authorized Signature) (Authorized Signature)		IE AND QUANTITY HAS BEEN AU		DATE:	84
(Xuthorized Signature) (Authorized Signature) (Authorized Signature) OISPOSAL, STORAGE, OR TREATMENT FACILITY*	IDICATED:	TY HAS SEEN ACCEPTED AT THE	HAZAROOUS WASTE	DATE:	8 <u>/</u>
(Xuthorized Signature) (Authorized Signature) (Authorized Signature) OISPOSAL, STORAGE, OR TREATMENT FACILITY*	IDICATED:		HAZAROOUS WASTE	DATE:	8/ ₅

COMMENTS OR SPECIAL INSTRUCTIONS:_

24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-267

DISTRIBUTION: PART - 1 GENERATOR

IN ILUNOIS: 217 / 782-3637

PART - 2 IEPA

PART - 4 HAULER PART - 3 SITE

PART - 5 IEPA

PART 8 - GENERATOR

0555061

O BE COMPLETED BY ASTE GENERATOR

DISTRIBUTION: PART - 1 GENERATOR

STATE OF ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-6760

	SPECIAL WASTE HAULING MANIFEST	Authorization Number 998649
FLEXIBLE STEEL	2525 WISCONSIN	
(Company Name) DOWNERS GROVE City		04303000036 Generator Number 24 TLD 605094230
BARON BLAKESLEE Hauler Name	WASTE HAULER(S) 1634 SLARAMIE Hauler Address	S.W.H. Registration Number
Hauler Name	Hauler Address	ILD CO 496 8509 S.W.H. Registration Number Q 139 103
	DESTINATION — DISPOSAL STORAGE OR TREATMENT SITE	
BARON BLAKESLEE (Facility Name) CICERA	1634 SLARAMIE Address IL 60650	O3160037 Site Number 46
City 10 SE COMPLETED BY	State Zip	222 007 63 807
	LORETHY LENE WAS	STE PHASE Liquid, Gaseous, Solid)
THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIE SHIPPING DESCRIPTION:	FEST IS OF THE DOT HAZARO CLASSIFICATION INDICATED IMMEDIATELY HAZARO CLASS:	BELOW:
WASTE	700/ UN# 1710	WEIGHT FOR S 850 LBS TONS (circle one)
TrichloREThyl	LENE ORN-A	
MEIGHT FOR I.E.P.A. USE MUST BE CONVERTED TO CU. YOS. OR GAL	QUANTITY OF WASTE DELIVERED: QQQ35	1 GALLONS (Bircle One) 2 CU. YUS.
	FE-IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LA	HER (Specify) ABÉLED AND IS IN PROPER CONDITION FOR TRANSPORTATION,
HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFOR	RMATION Quantity of the second	
DATE: W/ - U/ ac	(Authyrited Signature)	<u>`</u>
WASTE HAULER		
I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL	WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION	FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS
(1) Domiston B/	3	DATE ON 231 F
(Authorized Signature) / (2) (Authorized Signature)		DATE:
DISPOSAL, STORAGE, OR TREATMENT FACILITY		TARRAGUA MARTE CURIERE VA PER VEC. 40 2 4
I HEREBY CERTIFY THAT THE ABOVE DESCRIBED SPECIAL WA	HA Aste and indicated quantity has been accepted at the site spec	IZARDOUS WASTE SUBJECT TO FEE YES NO
(Authorized Signature)		DATE 03 04 82
COMMENTS OR SPECIAL INSTRUCTIONS:		
IN ILLINOIS: 217 / 782-3637	*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS	• OUTSIDE ILLINOIS: 800 / 424-880

PART - 4 HAULER

PART - 3 SITE

PART - 2 IEPA

PART - 6 GENERATOR

PART - 5 IEPA

) BE COMPLETED BY

DISTRIBUTION: PART - 1 GENERATOR

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-6760

ASTE GENERATOR

	SPECIAL WASTE HAULING	MANIFEST	Authoriza	ition Number 499	3 6 4 H
FLEXIBLE STEEL	2525 WISCONS	51N		_	
(Company Name)	Address	60515	04	3 0 3 0 0	<u>००३६</u>
DOWNERS GROVE	State	Zip	TLD 001	50942.30	3
2 () () () ()	WASTE HAULER(S)				
BARON BLAKESLEE Hauler Name	1634 5 LARA	m/E	S.W.H. Registration N	lumber <u>013</u>	7005
	rioniti tandiban		TLD004	968509	-
	Italia Addana	· .	S.W.H. Registration	Number	
Hauler Name	Hauler Address DESTINATION — DISPOSAL STORAGE (38
_	ocarmenton — oral conc dictorate t	M MENIMENT SITE			
BARON BLAKESLEE (Facility Name)	16.34 5 LARAMIA	<u>E</u>		0316 Site Nu	0037
CIEERO (Pacinty name)	T/	606 50		_	• _
City	State	Zip		00496850	77
D BE COMPLETED BY 'ASTE GENERATOR	LLORETHYLENE			Liquid	
WASTE NAME:	LLOKE INVLENE	WASTE P	HASE	(Liquid, Gaseous, Solid)
		_	•	·	·
IE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIF	EST IS OF THE DOT HAZARO CLASSIFICATION I	NDICATED IMMEDIATELY BEL	.w.		
	HAZARO		WEIGHT COR	10-	 1 De
WASTE		UN# 1716	WEIGHT FOR D.O.T. USE	1833	LBS TONS (circle one)
TRICHLORETH	MENE OR	U-A		•	
EIGHT FOR LE.P.A. USE MUST BE	7	اد س د	1 GALLON	(Circle One)	
ONVERTED TO CU. YOS, OR GAL	QUANTITY OF WASTE DELIVERED:		2 (0.103.		
METHOD OF SHIPMENT (Circle One)	RUMS TANK TRUCK OPE	TRUCK OTHER	(Specify)		
HIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WAST NACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE	E IS PROPERLY CLASSIFIED, DESCRIBED, PACE	KAGED, MARKED, AND LABEL	ED AND IS IN PROP	ER CONDITION FOR TRA	ISPORTATION,
•		,			:
HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFOR	MARION (7)	A.		•	
DATE: 3//8/82	(Authoritation Signate	um)		S. Carlo	
WASTE HAULER	,				
	•		~	• •	·
HEREBY CERTIFY THAT THE ABOVE DESCRIBED SPECIAL VIOLENTED:	MASTE AND QUANTITY HAS BEEN ACCEPTED	IN PROPER CONDITION FOR	TRANSPORT AND	ACKNOWLEDGE THE D	estination as
RAR Sil andelle		•		DATE: 3	101 00
(Authorized Signature)				DATE 34	
2)			,	DATE:	
(Authorized Signature) DISPOSAL, STORAGE, OR TREATMENT FAGILITY*					
7			OOUS WASTE SUBJE	CT TO FEE YES	NO_L
<i>11-1-1111</i>	STE AND INDICATED QUANTITY HAS BEEN ACC	EPTED AT THE SITE SPECIFIE	D ABOVE:	/.	
(Authorized Signature)		•		DATE: 04	261 0 2
(financial asimate)				·	
COMMENTS OR SPECIAL INSTRUCTIONS:					
IN ILLINOIS: 217 / 782-3637	*24 HOUR EMERGENCY AND SPILL AS	SISTANCE NUMBERS*		OUTSIDE ILLINO	15: 800 / 424-880

PART - 3 SITE PART - 4 HAULER

PART - 2 IEPA

PART - 6 GENERATOR

PART - 5 IEPA

O BE COMPLETED BY /ASTE GENERATOR

IN ILLINOIS: 217 / 782-3637

DISTRIBUTION: PART - 1 GENERATOR

ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706

1	3	2	0	5	8	8
-	 _					_
1						7

•	SPECIAL WASTE HAU		Authorization Number 998619
Herible Stock (Company Name)	25- 40 Address		0430300003
DOWNERS GETOUR	State	60575°	I/0005094130
Boron Blokes/-	WASTE HAI Hauler Address	JLER(S)	S.W.H. Registration Number 0/3 9003
		•	\$\frac{72006.49685}{32}
Hauler Name	Hauler Address		22
Gron Blok-51-2 (Facility Name)	DESTINATION - DISPOSAL ST	mie	53/6003- 33 Site Number 720 06496553
CIERRO	Cheta	Zip	4-13 669 367 3
TO BE COMPLETED BY WASTE BENENATOR WASTE NAME:	ich lurethy/	ae WAS	STE PHASE: (Liquid, Gaseous, Solid)
HE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MA			BELOW:
SHIPPING DESCRIPTION LUAS Ta	- Fool	HAZARO CLASS:	WEIGHT FOR 1260 TONS (circle
Trichlover	hylane 01	en-p	- ~
WEIGHT FOR I.E.P.A. USE MUST BE CONVERTED TO CU. YOS. OR GAL.	QUANTITY OF WASTE DELIVERED:	100	2 CU. YDS.
	DRUMS TANK TRUCK ASTE IS PROPERLY CLASSIFIED, DESCRIBE THE DEPARTMENT OF TRANSPORTATION.		HER (Specify) ABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION
HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INI	FORMATION Report 1	Lulen	
UNIC	(Authority)	d Signature)	<u> </u>
WASTE HAULER	•	•	
HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL NOICATED:	al waste and quantity has been acc	CEPTED IN PROPER CONDITION	FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION A
(1) (Authorized Signature)	·		DATE: 61/41 8
(Authorized Signature)			DATE:
DISPOSAL, STORAGE, OR TREATMENT FACILITY			ZARDOUS WASTE SUBJECT TO FEE YES NO
HERSEY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL		en accepted at the site spec	AFIED ABOVE: , DATE: Q 61 151 8
(Authorized Signature)			46
COMMENTS OR SPECIAL INSTRUCTIONS:			

PART - 4 HAULER

PART - 5 IEPA

PART - 6 G

24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS

PART - 3 SITE

PART - 2 IEPA

OUTSIDE ILLINOIS: 800 / 424-8802

O BE COMPLETED BY VASTE GENERATOR

> LLINOIS: 217 / 782-3637 TRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-6760 SPECIAL WASTE HAULING MANIFEST

DOT 1 1 1982

Authorization Number $\frac{998619}{8}$

EXIBLE STEEL LACING (Company Name)	2525 WISC	consin 31	2 9 7 1 0 1 50 Phone Number	<u>0430</u>	3 0 0 0 0 3
INERS GRAVE	State C	50515		I L D O O EPA	<u> 5099230</u> Number
		WASTE HAULER(S)			
PRON BLAKELEE	1634 SLAR	1mie	S.W	f.H. Registration Number _	013900
	Tigoral Page 650	3124.	503900 Humber		0 4968 55 EPA Number
			S.W	V.H. Registration Number	
Hauler Name	Hauler Address				
ر. المقرارية معاورة والمنابعة المنابعة المنابعة المنابعة والمنابعة والمنابعة المنابعة المنابعة والمنابعة والمنابع		فالمريب والمراجع والمراجع المراجع	ne Number		EPA Number
BON BLAKESLEY (Facility Name)		- disposal storage or A RA DOLLE	TREATMENT SITE	<u> </u>	16003
CICERO	エレ State		<u>912 45039</u> Phone Number	63 ILDO	0 49 68 5 0 PA Number
Alternate (Facility Name)	Address		•	39.—	Site Number .
Chy	State	Σο	Phone Number		69A Number
OMPLETED BY REMERATOR WASTE NAME: 72	e chlor athy	/ <i>a se</i>	WASTE PHAS	Lic	Gaseous, Solid)
FOR 1860 LBS USE 1860 TONS (circle one) METHOD OF SHIPMENT (Circle One)	WEIGHT FOR I.E.P.A. USE CONVERTED TO CU. YDS.	<u>~</u>	U 1 7 / O IN OR NA NUMBER F WASTE DELIVERED: Q C	700 EPA HW Num 00150 52	
TO CERTIFY THAT THE ABOVE-NAMED WASTE INDANCE WITH THE APPLICABLE REGULATIONS OF AGREE TO AND CERTIFY THE ABOVE WRITTER	OF THE ILLINOIS DEPARTMENT	West L	ARKED, AND LABELED AND IS NO 1,27-A.		transportation. 9-3-82
HAULER PRESTINATION AS INDI	HE ABOVE-DESCRIBED WASTE	——————————————————————————————————————	ted Signature) I ACCEPTED IN PROPER CONDI		
(Allibertzed Signature)	della				<u>@</u> 2/03/8
(Authorized Signature)	·			DATE:	
AL, STORAGE, OR THEATMENT FACILITY* BY CENTIFY THEY DE ABOYE-DESCRIBED WAS	ITE AND INDICATED QUANTITY	HAS BEEN ACCEPTED AT		WASTE SUBJECT TO FEE	YES NO
(Authorized Salinature)				, DATE:	09/03/8
ENTS OR SPECIAL INSTRUCTIONS:					
			SISTANCE NUMBERS*		

PART - 5 IEPA

PART - 4 HAULER

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675

PART 6 - GENERATOR

O BE COMPLETED BY VASTE GENERATOR

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706

- Line:		DAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-6760 ASTE HAULING MANIFEST	Authorization Number $\frac{99861}{8}$
(sumpany manny	2525 Wisco Address	NS/10 312 97 1 0 1	50 0430306003 G Generator Number
DOWNERS GROVE	<u> </u>	<u> </u>	ILD 005099 230 EPA Number
		WASTE HAULER(S)	
Dames Dielense	1/2/ -/	44.500	
BARGN BLAKESLEE Hauler Name	1634 S LARAN Hauler Address		S.W.H. Registration Number C / 3 9 0 C 7
		3121503900 Phone Number	<u>ILDOC4968509</u> EPA Number
		•	S.W.H. Registration Number 32 38
Hauler Name	Hauler Address		32 38
		Phone Number	EPA Number
		SPOSAL STORAGE OR TREATMENT SITE	
BARON ALAKESLEE (Facility Name)	16.74 S LM	RAMÍE	<u>©3 L 6 0 0 3 7</u> Site Number
	Address .		•
C./C.E.RO.	State	Zip Phone Number	3900 <u> </u>
Alternate (Facility Name)	Address	·	39 Site Number 46
Chy	Sizio_imi_a_a	Phone Numb	er EPA-Number
D BE COMPLETED BY			1
VASTE GENERATOR WASTE NAME: TR	chloreThyLe	NE WASTE	PHASE: L19UIC
HE SPECIAL WASTE BEING TRANSPORTED UNDER THE		ID CLASSIFICATION INDICATED IMMEDIATELY	BELOW: (Liquid, Gaseous, Solid)
SHIPPING DESCRIPTION:	HAZARD CLASS:	0111718	Zan I
WASTE	ORN-A	UN or NA Number	FA HW Number
VEIGHT FOR LBS 10.0.T. USE 10.0S (circle one)	WEIGHT FOR I.E.P.A. USE MI CONVERTED TO CU. YOS. OR	IST BE QUANTITY OF WASTE DELIVERED:	200130 (GALLONS Circle One)
METHOD OF SHIPMENT (Circle One) (DRI	JMS TANK TRI	JCK OPEN TRUCK OTHER (Specif	Y)
HIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE I ACCORDANCE WITH THE APPLICABLE REGULATIONS			NO IS IN PROPER CONDITION FOR TRANSPORTATION,
HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTE	N INFORMATION	(Authorized Signature)	DATE: 10/1/82
VASTE HAULER			
THE DESTINATION AS IND		DOMANTITY HAS BEEN ACCEPTED IN PROPER (CONDITION FOR TRANSPORT AND I ACKNOWLEDGE
An 'ai	pla	•	10/04/05
1) (Authorized Signature)	<i>D D</i>	•	DATE: [2] 2] 8 3
August 1970 of the same of the			DATE: / /
(Authorized Signature)	· · · · · · · · · · · · · · · · · · ·		UNIC
DISPOSAL, STORAGE, OR TREATMENT FACILITY"		44740	DOUS WASTE SUBJECT TO FEE YES NO
	STE AND INDICATED QUANTITY HAS	BEEN ACCEPTED AT THE SITE SPECIFIED ABO	
(Author Con Signature)			DATE: 10101182
77	10.0	DE JERRE	- 1, 0,
COMMENTS OR EXECUTE INSTANTONS: 1	EL TO S	30G.	
IN ILLINOIS: 217 / 782-3637	*24 HOUR EMER	GENCY AND SPILL ASSISTANCE NUMBERS.	OUTSIDE ILLINOIS: 800 / 424-8892 or 202 / 426-2675

PART - 5 IEPA

PART 6 - GENERATOR

C-62 8/81

O BE COMPLETED BY ASTE GENERATOR

STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

0659328

MAR 7 1983	(2)	ND, SPRINGFIELD, ILLINOIS 62706 17) 782-6760 TE HAULING MANIFEST	Authorization Number $\frac{998619}{8}$
LEXYPLE STEELLACING (Company Name)	Address	Phone Number	
CITY CITY	<u>IL</u> 605/	<u>'5</u>	ILD 005099230 EPA Number
		ASTE HAULER(S)	
BARON BLAKESLEE 16.			S.W.H. Registration Number <u>0 /3 900 7</u>
		3124503900 Phone Number	<u> </u>
Hauler Name	Hauter Address		S.W.H. Registration Number 32 38
		Phone Number	EPA Number
		OSAL STORAGE OR TREATMENT SITE	
(Facility Name)	1634 S LAPA Address	- MIE	03160037
CICERO City	State	60550 3124503 Zip Phone Number	1900 ILDO 04968509
Alternate (Facility Name)	Address		39 Site Number 46
.ar anexero City meet to the information of	Ship	Zip Phone Numbe	EPA Number
BE COMPLETED BY	chlore Thy LZ		PHASE: Liquid
ASTE GENERATOR WASTE NAME: 72 E SPECIAL WASTE BEING TRANSPORTED UNDER THIS	CALORETHY LE		PHASE: Liquid
BE COMPLETED BY ASTE GENERATOR WASTE NAME: 72	chlore Thy LZ	WASTE WASTE CLASSIFICATION INDICATED IMMEDIATELY E	PHASE: LIGHT Baseous, Sofid)
ASTE GENERATOR WASTE NAME: 72 E SPECIAL WASTE BEING TRANSPORTED UNDER THIS	CALORETHY LE	NE WASTE	PHASE: Liquid
ASTE GENERATOR WASTE NAME: 7R WASTE NAME: 1R WASTE NAME: 1R SHIPPING DESCRIPTION:	MANIFEST IS OF THE DOT HAZARD OF THE DAT HAZARD CLASS:	WASTE CLASSIFICATION INDICATED IMMEDIATELY E	PHASE: Liquid Bassous, Sofid) PHASE: Liquid Bassous, Sofid) PHASE: Liquid Bassous, Sofid) PHASE: Liquid Bassous, Sofid)
BE COMPLETED BY ASTE GENERATOR WASTE NAME: 7R	MANIFEST IS OF THE DOT HAZARO OF HAZARO CLASS: OR N-A WEIGHT FOR I.E.P.A. USE MUST CONVERTED TO CU. YOS. OR GAMES TANK TRUCK	WASTE CLASSIFICATION INDICATED IMMEDIATELY E UN OF NA NUMBER OUANTITY OF WASTE DELIVERED:	PHASE: Liquid Bassous, Sofid) PHASE: Liquid Bassous, Sofid) PHASE: Liquid Bassous, Sofid) PHASE: Liquid Bassous, Sofid) PHASE: Liquid Bassous, Sofid) PHASE: Liquid Bassous, Sofid) PHASE: Liquid Bassous, Sofid) PHASE: Liquid Bassous, Sofid)
BE COMPLETED BY ASTE GENERATOR WASTE NAME: TRANSPORTED UNDER THIS SHIPPING DESCRIPTION: EIGHT FOR LIBS O.T. USE TONS (circle one) METHOD OF SHIPMENT (Circle One) (DRU	MANIFEST IS OF THE DOT HAZARO OF HAZARO CLASS: OR N-A WEIGHT FOR I.E.P.A. USE MUST CONVERTED TO CU. YDS. OR GAT MS	WASTE CLASSIFICATION INDICATED IMMEDIATELY EVANSIFICATION INDICATED IMMEDIATELY EVAN OF NA Number OPEN TRUCK OTHER (Specify ED, PACKAGED, MARKED, AND LABELED AN	PHASE: Liquid Baseous, Sofid) PHASE: Company Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid)
BE COMPLETED BY ASTE GENERATOR WASTE NAME: TRANSPORTED UNDER THIS SHIPPING DESCRIPTION: LOASTR EIGHT FOR LIBS O.T. USE TONS (circle one) METHOD OF SHIPMENT (Circle One) (DRU	MANIFEST IS OF THE DET HAZARD OF HAZARD CLASS: WEIGHT FOR I.E.P.A. USE MUST CONVERTED TO CU. YDS. OR GAINED THE PROPERLY CLASSIFIED, DESCRIBE OF THE ILLINOIS DEPARTMENT OF THE ILLINO	WASTE CLASSIFICATION INDICATED IMMEDIATELY EVANSIFICATION INDICATED IMMEDIATELY EVAN OF NA Number OPEN TRUCK OTHER (Specify ED, PACKAGED, MARKED, AND LABELED AN	PHASE: Liquid Baseous, Sofid) PHASE: Company Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid) PHASE: Liquid Baseous, Sofid)
I BE COMPLETED BY ASTE GENERATOR WASTE NAME: TRANSPORTED UNDER THIS SHIPPING DESCRIPTION: EIGHT FOR TONS (circle one) METHOD OF SHIPMENT (Circle One) (DRU HIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE A ACCORDANCE WITH THE APPLICABLE REGULATIONS HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN WASTE HAULER I HEREBY CERTIFY THAT TI	MANIFEST IS OF THE DOT HAZARO OF HAZARO CLASS: WEIGHT FOR I.E.P.A. USE MUST CONVERTED TO CU. YDS. OR GAMENT OF THE PROPERLY CLASSIFIED, DESCRIBED OF THE ILLINOIS DEPARTMENT OF THE IL	WASTE CLASSIFICATION INDICATED IMMEDIATELY BE UN OF NA NUMBER OPEN TRUCK OTHER (Specify ED. PACKAGED, MARKED, AND LABELED AN LANSPORTATION AND LEG. A. (Authorized Signature)	PHASE: LIQUID BASSOUS, SORID) EPA HW Number GALLONG (Circle One) CIL IOS. SI ID IS IN PROPER CONDITION FOR TRANSPORTATION,
BE COMPLETED BY ASTE GENERATOR WASTE NAME: TRANSPORTED UNDER THIS SHIPPING DESCRIPTION: LOASTR EIGHT FOR LOGO TONS (circle one) METHOD OF SHIPMENT (Circle One) (DRU MIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE A ACCORDANCE WITH THE APPLICABLE REGULATIONS METERBY AGREE TO AND CERTIFY THE ABOVE WRITTEN	MANIFEST IS OF THE DOT HAZARO OF HAZARO CLASS: WEIGHT FOR I.E.P.A. USE MUST CONVERTED TO CU. YDS. OR GAMENT OF THE PROPERLY CLASSIFIED, DESCRIBED OF THE ILLINOIS DEPARTMENT OF THE IL	WASTE CLASSIFICATION INDICATED IMMEDIATELY BE UN OF NA NUMBER OPEN TRUCK OTHER (Specify ED. PACKAGED, MARKED, AND LABELED AN LANSPORTATION AND LEG. A. (Authorized Signature)	PHASE: LIGHT BASEOUS, SORID) EPA HW Number GALLONG (Circle One) CILLOS. SI CONDITION FOR TRANSPORTATION, DATE:
I BE COMPLETED BY ASTE GENERATOR WASTE NAME: TRANSPORTED UNDER THIS SHIPPING DESCRIPTION: EIGHT FOR TONS (circle one) METHOD OF SHIPMENT (Circle One) (DRU HIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE A ACCORDANCE WITH THE APPLICABLE REGULATIONS HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN WASTE HAULER I HEREBY CERTIFY THAT TI	MANIFEST IS OF THE DOT HAZARO OF HAZARO CLASS: WEIGHT FOR I.E.P.A. USE MUST CONVERTED TO CU. YDS. OR GAMENT OF THE PROPERLY CLASSIFIED, DESCRIBED OF THE ILLINOIS DEPARTMENT OF THE IL	WASTE CLASSIFICATION INDICATED IMMEDIATELY BE UN OF NA NUMBER OPEN TRUCK OTHER (Specify ED. PACKAGED, MARKED, AND LABELED AN LANSPORTATION AND LEG. A. (Authorized Signature)	PHASE: LIQUID BELOW: CESTAL BASSOUS, SORId) FPA HW Number COLUMNS (Circle One) CILLADS. S3 ID IS IN PROPER CONDITION FOR TRANSPORTATION, DATE: 1-7-83
BE COMPLETED BY ASTE GENERATOR WASTE NAME: TRANSPORTED UNDER THIS SHIPPING DESCRIPTION: EIGHT FOR JOO TONS (circle one) METHOD OF SHIPMENT (Circle One) (DRU HIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE A ACCORDANCE WITH THE APPLICABLE REGULATIONS HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN I HEREBY CERTIFY THAT THE ABOVE WRITTEN THE DESTINATION AS INDICATED (Authorized Signature)	MANIFEST IS OF THE DOT HAZARO OF HAZARO CLASS: WEIGHT FOR I.E.P.A. USE MUST CONVERTED TO CU. YDS. OR GAMENT OF THE PROPERLY CLASSIFIED, DESCRIBED OF THE ILLINOIS DEPARTMENT OF THE IL	WASTE CLASSIFICATION INDICATED IMMEDIATELY BE UN OF NA NUMBER OPEN TRUCK OTHER (Specify ED. PACKAGED, MARKED, AND LABELED AN LANSPORTATION AND LEG. A. (Authorized Signature)	PHASE: LIGHT BASEOUS, SORID) EPA HW Number GALLONG (Circle One) CILLOS. SI CONDITION FOR TRANSPORTATION, DATE:
BE COMPLETED BY ASTE GENERATOR WASTE NAME: TRANSPORTED UNDER THIS SHIPPING DESCRIPTION: COASTR EIGHT FOR DESCRIPTION: DISTRICT METHOD OF SHIPMENT (Circle One) (DRU METHOD OF SHIPMENT (Circle One) (DRU METHOD OF SHIPMENT (CIRCLE ONE) (DRU ACCORDANCE WITH THE ABOVE-NAMED WASTE A ACCORDANCE WITH THE APPLICABLE REGULATIONS MEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN MASTE HAULER I HEREBY CERTIFY THAT THE THE DESTINATION AS INDICATED (Authorized Signature)	MANIFEST IS OF THE DOT HAZARO OF HAZARO CLASS: WEIGHT FOR I.E.P.A. USE MUST CONVERTED TO CU. YDS. OR GAMENT OF THE PROPERLY CLASSIFIED, DESCRIBED OF THE ILLINOIS DEPARTMENT OF THE IL	WASTE CLASSIFICATION INDICATED IMMEDIATELY EXAMPLE DELIVERED: UN OF NA Number OPEN TRUCK OTHER (Specify ED. PACKAGED, MARKED, AND LABELED AN JAMSPORTATION AND LEGA. (Authorized Signature) UANTITY HAS BEEN ACCEPTED IN PROPER CO	PHASE: LIQUID BASSOUS, SORID) EPA HW Number CONDITION FOR TRANSPORTATION, DATE:
BE COMPLETED BY ASTE GENERATOR WASTE NAME: TRANSPORTED UNDER THIS SHIPPING DESCRIPTION: EIGHT FOR LBS O.T. USE TONS (circle one) METHOD OF SHIPMENT (Circle One) (DRU HIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE A ACCORDANCE WITH THE APPLICABLE REGULATIONS HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN THE DESTINATION AS INDICATION (Authorized Signature) (Authorized Signature)	MANIFEST IS OF THE DOT HAZARO OF HAZARO CLASS: WEIGHT FOR I.E.P.A. USE MUST CONVERTED TO CU. YDS. OR GAT MISSELL TO CU. YDS. OR GAT MISSELL TO CLASSIFIED, DESCRIBED OF THE ILLINOIS DEPARTMENT OF THE ILLINOIS DEPARTMENT OF THE ILLINOIS DEPARTMENT OF THE ILLINOIS DEPARTMENT OF THE ILLINOIS DEPARTMENT OF THE ILLINOIS DEPARTMENT OF THE ILLINOIS DEPARTMENT OF THE ILLINOIS DEPARTMENT OF THE ABOVE-DESCRIBED WASTE AND OX CATED:	WASTE CLASSIFICATION INDICATED IMMEDIATELY EXAMPLE DELIVERED: UN OF NA Number OPEN TRUCK OTHER (Specify ED. PACKAGED, MARKED, AND LABELED AN JAMSPORTATION AND LEGA. (Authorized Signature) UANTITY HAS BEEN ACCEPTED IN PROPER CO	PHASE: LIQUID BASSOUS, SORID) EPA HW Number DATE: 1-7-83 DATE: 1-7-83 DATE: 1-7-83 DATE: 1-7-83 DATE: 1-7-83 DATE: 1-7-83 DATE: 1-7-83 DATE: 1-7-83

N ILLINOIS: 217 / 782-3637

₩V. # 4

24 HOUR EMERGENCY AND SMLL ASSISTANCE NUMBERS

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675

PART - 5 IEPA

PC 42 8/31

O BE COMPLETED BY **VASTE GENERATOR**

IN ILLINOIS: 217 / 782-3537

STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706

J	(217) 78 SPECIAL WASTE HA		Authorization Number 4986	i / 4
HEXING STEEL LACING 2	525 WISCONSIN	3129710150	043030000	<u>3</u> 6
DOWNERS GROVE	## 60515 State : 50515	rnone Number	14 Generator number L D 0050992 EPA Number	<u>30</u>
	WASTE H		LI A TOURNA	
BARON BLAKESLEE 163	345 LARAMIE	S.W.F	1. Registration Number 6/25/390	05
Hauler Name		24503900 Phone Number	ILD0049683	41
Hauler Name	Hauler Address	S.W.I	1. Registration Number	-
1000				
	DESTINATION — DISPOSAL ST	Phone Number ORAGE OR TREATMENT SITE	EPA Number	
BARON BLAKES LEE (Facility Name)	1634 S LARAM	_	031600 39 Site Number	137
CICERO City			00 ILDO049685	109
Alternate (Facility Name)	Address	<u>·</u>	39 Sits Number	
City a management of the contraction of the contrac	Sun	lp	EPA-Humber	
D BE COMPLETED BY	1)		الأسامار	,
WASTE NAME: // KING TRANSPORTED UNDER THIS MA	CHLORETAY LEN	WASTE PHASE CATION INDICATED IMMEDIATELY BELOW:	(Liqui), Gassous, Solid)	
	ZARO CLASS:			
WASTE	ORMA	UN or NA Number	FPA HW Number	
EIGHT FOR 1367 (ST) O.T. USE 10RS (circle one)	WEIGHT FOR I.E.P.A. USE MUST BE CONVERTED TO CU. YOS. OR GAL.	UANTITY OF WASTE DELIVERED: 2	O 1 5 0 1 GALLONS CIT	cie (Ine)
METHOD OF SHIPMENT (Circle One) (ORUMS	Number) TANK TRUCK	OPEN TRUCK OTHER (Specify)		33. 7
HIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE	THE ILL I MAKE APPLACEMENT AS TRANSPORT	TITOU INDA FOR	PROPER CONDITION FOR TRANSPORTATION.	ļ
HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN IN	α	(Authorized Signature)	DATE: 5/23/	<i>9</i> 3
NASTE HAULER ! HEREBY CERTIFY THAT THE . THE DESTINATION AS INDICAT	ABOVE-DESCRIBED WASTE AND QUANTITY	HAS BEEN ACCEPTED IN PROPER CONDITION	ON FOR TRANSPORT AND I ACKNOWLEDGE	
D+O Muea	lell		DATE: <u>Q</u> \$\int 23/	83
(Authorizado Signature)			DATE:/	59
(Authorized Signature)				
DISPOSAL, STORAGE, DB-TREATMENT FACILITY			ASTE SUBJECT TO FEE YES	NO_ <u>-</u>
HERELY CERTIFY PLAT THE ASSIVE DESCRIBED WASTE	and indicated quantity has been acc	EPTED AT THE SITE SPECIFIED ABOVE:	DATE: _5123/	23
(Authorized Signature)		1		65
COMMENTS OR SPECIAL INSTRUCTIONS:	2 specine	d Dane	ascho	~

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2575

PART 6 - GENERATOR

24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS

O BE COMPLETED BY **/ASTE GENERATOR**

STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-6760 <u>0659330</u>

998649

SEP 1 9 1983	SPECIAL W	ASTE HAULING MANIFEST	Authorization Number _	775014
FLEXIBLE STEEL LACING	2525 WISE	MEIN 3129710	150 043030	200036
	TL 60		14 Generator <u>T 1 D 0 0 5 GEPA Num</u>	
City	State	WASTE HAULER(S)	EPA Num	ber
BARON BLAKESLEE 16	345 LARAMIE Hauter Address	[S.W.H. Registration Number 25	39003
Production Control	Tiburar Press sur	312450390 Phone Number		1968509 Number
Hauler Name	Hauler Address		S.W.H. Registration Number	
		Phone Number	: 	Number
 -	DESTINATION - DI	SPOSAL STORAGE OR TREATMENT SITE	Cr.	/ rontoer
BARON BLAUSSLEZ (Facility Name)	16345 LARI	amie		60037 Site Number 4
CICERO CRY)	State	60550 312450 Zip Phone No	0 3 9 0 0 0 1 1 0 0 0 4 PA	4968509 Number
Alternate (Facility Name)	Address	·		Site Number 46
City	State	ZipPhone Mi	mber	-Number
TO BE COMPLETE BY MASTE GENERATURE WASTE NAME: TRI	ch LORETHYL	ENE W	STE PHASE: Lig	uid
HE SPECIAL WASTE BEING TRANSPORTED UNDER THIS				ous, Solid)
SHIPPING DESCRIPTION:	HAZARO CLASS:	41 47 c 🖘 1 .	~ ~~~	
WASTE	ORM-A	UN or NA Number		
VEIGHT FOR 1.348 LBS 10RS (circle one)	WEIGHT FOR I.E.P.A. USE MU CONVERTED TO CU. YOS. OR	IST BE QUANTITY OF WASTE DELIVERED	000150	1 GALLONS Circle One) 2 CU. YOS.
METHOD OF SHIPMENT (Circle One) (DRUI	HS 3) TANK TRU	OPEN TRUCK OTHER (Sp	ecity)	
THIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE A IN ACCORDANCE WITH THE APPLICABLE REGULATIONS (re properly classified, desci of the illinois department of	ribed, Packaged, Marked, and Labele -Transportation and J.E.P.A.	D AND IS IN PROPER CONDITION FOR TRA	NSPORTATION,
HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN		(Authorized Signature)	DATE:	124/83
WASTE HAULER I HEREBY CERTIFY THAT THE DESTINATION AS INDIC		QUANTITY HAS BEEN ACCEPTED IN PROP	ER CONDITION FOR TRANSPORT AND I AC	KNOWLEDGE
1) Heart breadle		•	DATE:	81 <u>24</u> 1 <u>83</u>
(Authorized Signature) 2)		•	DATE:	
(Authorized Signature)			·	
DISPOSAL, STORAGE, OR TREATMENT FACILITY			ZARDOUS WASTE SUBJECT TO FEE YES	NO
THEREBY CERTIFY THE ABOYE DESCRIBED WAST	E AND INDIGATED QUANTITY HAS	BEEN ACCEPTED AT THE SITE SPECIFIED	ABOVE: DATE:	2124123
COMMENTS OR SPECIAL INSTRUCTIONS:	elest u	hours 150	and use of	core.
150 G al.	U		٥	
IN ILLINOIS: 217 / 782-3637	*24 HOUR EMERS	BENCY AND SPILL ASSISTANCE HUMBERS	י חוודפותב או ואתופי פתה	424-8802 or 202 / 426-257
DISTRIBUTION: PART - 1 GENERATOR PART - 2 II	EPA PART - 3 SITE	PART - 4 HAULER PART - 5 IEPA	PART 6 - GENERATOR	767 000 W 6067 760 637

PG 62 8/8

TO BE COMPLETED BY WASTE GENERATOR

IN ILLINOIS: 217 / 782-3637
DISTRIBUTION: PART - 1 GENERATOR

REV. # 4

STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706

(217) 782-6760 SPECIAL WASTE HAULING MANIFEST 100 1 5 1983

0880991

Authorization Number $\frac{9998649}{13}$

FLEXIBLE STEEL (Company Name)	2625 WISC	ONSIN 31	29710150 C) 43 0300003 G
DOWNER GROVE	State		•	L D 005099 23 C
City	State	Zip WASTE HAULER(S)		EPA Number
BARON BLAKESLEE Hauler Name	16345 LA	PAMIE	S.W.H. Reg	istration Number <u>0139005</u>
regular teamo	I Marana, Langs Con	<u>3124</u>	503900 • Number	ZLD004968509
Hauter Name	Hauler Address		S.W.H. Re	gistration Number
			e Number	EPA Number
BARON BLAKESLEE (FACHING Name)		— DISPOSAL STORAGE OR	TREATMENT SITE	03160037 37 Site Number
BICERO		60650	3124503900	ILP004968509
City	State .	Z Jp	Phone Number	EPA Number
Alternate (Facility Name)	Addres	15		37 Site Number 4
City	State			
O RE COMPLETED BY	308	Zip	Phone Number	EPA Number
WASTE VEIGHT FOR 1,520 TONS (circle one)	WEIGHT FOR I.E.P.A. US CONVERTED TO CU. YOS		N OF NA NUMBER F WASTE DELIVERED: D 0	EPA HW Number GALLONS (Circle One) 2 CU. YOS.
METHOD OF SHIPMENT (Circle One) (DRU	MS 3) TANK	K TRUCK OPEN TRUC	CK OTHER (Specify)	- - - - - - - -
THIS IS TO CERTIFY THAT THE ABOVE NAMED WASTE				ER CONDITION FOR TRANSPORTATION,
N ACCORDANCE WITH THE APPLICABLE REGULATIONS HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN		Donti	ULL .	DATE: 11/1/83
WASTE HAULER I HEREBY CERTIFY THAT TO THE DESTINATION AS INDIR		AND QUANTITY HAS BEEN	ACCEPTED IN PROPER CONDITION FO	R TRANSPORT AND I ACKNOWLEDGE
1) BTB J Que audit	lb_			DATE: 11 01 8 -
2) (Authorized Signature)			•	CATE:
DISPUSAL, STURAGE OF TREATMENT PACILITY				
	TE AND INOKCATED QUANTITY	HAS REEN ACCEPTED AT	HAZARDOUS WASTE THE SITE SPECIFIED ABOVE:	SUBJECT TO FEE YES NO
(ADRIGHTZ STORMUZ)	· .			DATE: 11 11 82
COMMENTS OR SPECIAL INSTRUCTIONS:				
		•• .		
				

PART - 4 HAULER

"24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS"

PART - 5 IEPA

PART 6 - GENERATOR

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-267

PART - 3 SITE

PART - 2 IEPA

UPC 62 8/51 STATE OF ILLINOIS APR 09 RECO TO BE COMPLETED BY **ENVIRONMENTAL PROTECTION AGENCY** WASTE GENERATOR DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706

0	8	8	0	9	9	3
	_			-	_	- -

•		217) 782-6760 ISTE HAULING MAN	NIFFST	Authorization Number 79869	$\frac{1}{4}$
Flexible Steel (Company Name) DOWNERS GLOVE	•			043030000	.
(Company Name)	Address		hone Number	0 4 3 0 3 0 0 0 0 0 -	<u>> G</u>
Doculated S George	77	M-1-		10050992	
City Carlot	State 2	<u> </u>	≠ .	EPA Number	$\underline{\underline{\mathcal{C}}}$
		WASTE HAULER(S)			
1 11 11		• •			
BARON BIAKES (Ce. 16.	345 CARAMIE	• .	S.W.H, R	egistratlon Number $\frac{6}{25}$ $\frac{13200}{25}$	<u> </u>
		312 450 Phone Nur	3557	カクトロロスフク	ے ر
15	//	Phone Nur	mber	#2005793700 EPA Number	24
			S.W.H. R	egistration Number	
Hauter Name	Hauler Address	•		33	36
		Phone Nu		EPA Number	
	DESTINATION - DIS	POSAL STORAGE OR TREA		EPA Number	
RADAN BLAKESTON	4.6	ARAMIE	AIMERI SIIE	0316003	7
BARON BLAKESICE (Facility Name)	Address		•	0316003 39 Site Number	- 4
CICÉRO	工し,	6450 -	3/2450355	72005193700 EPA Number	15
City	Statu	Zip	Phone Number	EPA Number	_2
		•		•	
Alternate (Facility Name)	Address	• .		39 Site Number	- 4
		·			<u>.</u>
City	State	. Zip	Phone Number	EPA Number	
TO BE COMPLETED BY WASTE DENERATOR 4	I ChoRoth	116.1		LIOUID	
WASTE NAME:		CLASSIFICATION INDICA	waste Phase: Ted immediately below:	(Uquid, Baseous, Solid)	
	HAZARO CLASS:	CCASSITICATION INCICA	IEU IMMEDIAIEET DELUM.		
		416	NA Number	EPA HW Number	
NASTE	ORM-A	UN or	NA Number	EPA HW Number	
	METONE COR LE D.A. HOP MAN		, ,,,,	1 SALLONS Circle	One)
WEIGHT FOR 2: 40 0 (BS) 0.0.T. USE 2: 40 0 FORS (circle one)	WEIGHT FOR I.E.P.A. USE MUS CONVERTED TO CU., YDS. OR 6	AL. QUANTITY OF WA	ISTE DELIVERED: 000	2 2 0 2 CU YOS.	1
	4			· ·	3
METHOD OF SHIPMENT (Circle One) (DRUM	AS	CK OPEN TRUCK	OTHER (Specify)		
THIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE A	RE PROPERLY CLASSIFIED, DESCRI	IBED. PACKAGED: MARKEI	D-AND LABELED AND IS IN PRO	OPER CONDITION FOR TRANSPORTATION.	
IN ACCORDANCE WITH THE APPLICABLE REGULATIONS O		TRANSPORTATION ON I.E			
I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN	INFORMATION	Word few	40	DATE: 3-23-54	_
		(Authorized S	ignature)		
WASTE HAULER HEREBY CERTIFY THAT TH	E ABOVE-DESCRIBED WASTE AND	QUANTITY HAS BEEN ACC	CEPTED IN PROPER CONDITION I	FOR TRANSPORT AND 1 ACKNOWLEDGE	
THE DESTINATION AS INDIC	ATED:	•			
Principal NETO	eiven	. •		12/22/	2,
(1) (Authorized Signature)				CATE: <u>03/23/</u>	ڊ_
***			•	DATE:	
(2)	•				
(Authorized Signature) :	 .		•		
(Authorized Signature) : DISPOSAL, STURAGE, OR TREATMENT FACILITY*			TZAW ZUOORAZAH.		سا
DISPOSAL, STURAGE, OR TREATMENT FACILITY	E AND INDICATED QUANTITY HAS	SEEN ACCEPTED AT THE	,	E SUBJECT TO FEE YES NO.	
DISPOSAL, STURAGE, OR TREATMENT FACILITY	E AND INDICATED QUANTITY HAS	BEEN ACCEPTED AT THE	,		

(Authorized Signature)

COMMENTS OR SPECIAL INSTRUCTIONS:

"24 HOUR EMERGENCY AND SPILL ASSISTANCE HUMBERS"

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675

5 ° ..

STATE OF ILLINOIS JC 62 8/81 0880994 TO BE COMPLETED BY **ENVIRONMENTAL PROTECTION AGENCY** NASTE GENERATOR DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62766 14 Abbrichtzation Number 998649(217) 782-6760 SPECIAL WASTE HAULING MANIFEST EXIBLE STEEL 2575 WISCONSIN 3129110150 043 03 00 003 G (Company Name)

Address Phone Number 14 Generator Number 24 WASTE HAULER(S) BARON BLAKESLEE 1634 5 LARAMIE
Hauter Name
Hauter Address S.W.H. Registration Number 0 1 3 9 0 0 5 ILD 05 1937 068 S.W.H. Registration Number Hauler Name Hauler Address **EPA Number** DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE 03160037 Alternate (Facility Name) Sile Number Address City Phone Number **EPA Number** WASTE NAME: TRICKLOPETHILENE THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW: <u><u>UN 17 10</u> UN or NA Number</u> 7001 QUANTITY OF WASTE DELIVERED: QQQ CONVERTED TO CU. YOS. OR GAL. METHOD OF SHIPMENT (Circle One) OPEN TRUCK THIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND LERGY. HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION WASTE HAULER HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE DATE: 04/22/84 (Authorizeu Signature) HAZARDOUS WASTE SUBJECT TO FEE YES_ DESCRIBED WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE: DATE: 4127 84 orized Signature) COMMENTS OR SPECIAL INSTRUCTIONS: *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675 IN ILLINOIS: 217 / 782-3637 DISTRIBUTION: PART - 1 GENERATOR PART - 3 SITE PART - 4 HAULER

O ME COMPLETED BY VASTE GENERATOR

STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 0880996

Authorization Number 998649 (217) 782-6760 SPECIAL WASTE HAULING MANIFEST LEXIBLE STEEL 2525 WISCONSIN 3129710150 04303 00003 6
(Company Name)

Address ILD 005099230 EPA Number ARON BLAKELEE 1634 SLARAMIE S.W.H. Registration Number 0139007 <u> 3124503557</u> ILDO 61937068 S.W.H. Registration Number ___ Hauler Address Hauler Name **EPA Number** DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE <u>03160037</u> Alternate (Facility Name) FPA NUTRICE O BE COMPLETED BY WASTE PHASE THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW: HAZARD CLASS: 4 N 1 7 1 0 MEIGHT FOR CONVERTED TO CU. YDS. OR SAL. DO.T. USE METHOD OF SHIPMENT (Circle One) **TANK TRUCK** THIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND LE.P.A. I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION WASTE HAIR ER I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE DATE: 06/21/84/ (Authorized Signature) HAZARDOUS WASTE SUBJECT TO FEE YES DESCRIBED WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE: DATE: _ (d) 21 24 COMMENTS OR SPECIAL INSTRUCTIONS: *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS* IN ILLINOIS: 217 / 782-3637

PART - 2 IEPA PART - 3 SITE PART - 5 IEPA PART 8 - GENERATOR

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675

2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-6761

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IN ILLINOIS: 217 / 782-3637

24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBER

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1/8 OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675

Date

Month Day Year

DISTRIBUTION: PART - 1 GENERATOR PART - 2 IEPA

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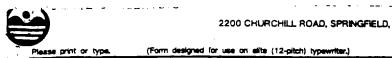
PART - 3 FACILITY

PART - 4 TRANSPORTER

PART - 6 GENERATOR PART - 5 IEPA

GENERATOR COPY - PART 1- DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

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2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-6761

512-0610 LPC 62 6/81

(Form designed for use on eite (12-pitch) typewriter.) EPA Form 8700-22 (3-84) Form Approved. OMB No. 2000-0404. Expires 7-31-86 UNIFORM HAZARDOUS 1. Generator's US EPA ID No. 2. Page 1 Information in the shaded areas is not Document No. required by Federal law, but is required **WASTE MANIFEST** ILD 005099230 by Illinois law. 3. Generator's Name and Mailing Address ist Document Number PLEXIBLE STEEL LAC'NO ED 2525 WISCONSIN DOWNERS GROVE IL 60515 4. Generator's Phone (3/2) 97/ 0/50 030000 5. Transporter 1 Company Name US EPA ID Number 2 2 2 3 Sec 20 Of Transporter & P ILD 051937068 BARON BLAKESLEE 7. Transporter 2 Company Name US EPA ID Number 9. Designated Facility Name and Site Address US EPA ID Number BARON BLAKESLEE 1634 LARAMIE ILD051937068 60650 CICERO JL 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12.Containers 14 Unit Total No. Type Quantity MN WASTE UN 1710 804 DA 010,2,0,0 ORMA E b. R T 0 C CONTROL THE STATE OF THE STATE NUMBER STATES CONTRACT CONTRACT STATES OF THE PROPERTY OF THE 15. Special Handling Instructions and Additional Information 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are cla seified, pecked, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations, and illinois regulations. Date Month Day Year Printed/Typed Name DON JULEN 0110356 17. Transporter 1 Acknowledgement of Receipt of Materials Date Printed/Typed Nume Month Day Year Signature 01/03/86 IMUL 18. Transporter 2 Acknowledgement or Receipt of Materials Date Printed/Typed Name Signature Month Day Year 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Cate Printed/Fyped Name Month Day Year Signature ANISTAK *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBER HLLINOIS: 217 / 782-3637 OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675 ISTRIBUTION: PART - 1 GENERATOR PART - 2 IEPA PART - 3 FACILITY PART - 5 IEPA **PART - 4 TRANSPORTER**



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	3. Generator's Name and Mailing Address FLEXIBLE STEEL L 9525 WISCONSIN 4. Generator's Phone (3/Z) 97 5. Transporter 1 Company Name BARON BLAKESLE 7. Transporter 2 Company Name 9. Designated Facility Name and Site Address BARON BLAKESLE 1634 LARAMIE	DOWNERS GROOVE 710150 6. US EPAI E TLD 0519. 8. US EPAI	TL 60515 D Number 8 7 0 68 D Number D Number	of		om Minoe 18	13.9
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*24 HOUR EMERGENCY AND SPELL ASSISTANCE NUMBERS

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675



2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-6761

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STATE OF ILLINOIS

DISTRIBUTION: PART - 1 GENERATOR PART - 2 IEPA

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-6761

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PART - 4 TRANSPORTER

PART - 3 FACILITY

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UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US ILD00509		Manifest Document No.	2. Pag		tion in the shaded areas d by Federal law, but is re is law.
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This Agency is authorized to require, pursuant to Whole Revised Statutes, 1982, Chapter 1111/9 Section 21, that this information be submitted to the Agency, Fallars to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violetion. Fatsification of this information may result in a first up to \$50,000 per day of violetion and imprisorment up to 5 years. This form has been accommanded to the statute of



L532-0610 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706 (217) 782-6761 LPC 62 8/81

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	3.	Generator's Name and Mailing Address F1				Allinois	Agnifest Docu	ment Number	
			25 Wisconsin Aven wners Grove, IL				2012	30	
		Generator's Phone (312) 971–0	•	00313		General			
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		Baron Blakeslee	_	937068				Transporter's Pho	
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	15	5. Special Handling Instructions and Additional	information						
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1	2	20. Facility Owner or Operator Certification of	receipt of hazardous material	s covered by this	nanifes(ex	cept as no	ted in Item 19	Date	
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PART - 3 FACILITY

PART - 4 TRANSPORTER

PART - 5 IEPA PART - (

GENERATOR COPY - PART 1- DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

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B. Generator's Name and Mailing Address F1	lexible Steel La	cing co.			Allin	S North	st Doca	Mar Numb	X 23.6
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. Generator's Phone (312) 971-	-0150								0.030
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PART - 4 TRANSPORTER

PART - 3 FACILITY

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1-1-	20. Facility Owner or Operator: Certification of	of receipt of hazar	dous materials covered by the	is meylifest	except	as noted in item	
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PART - 3 FACILITY PART - 4 TRANSPORTER

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PART - S GENERATOR

PART - 5 IEPA



(Form designed for use on elite (12-pitch) typewriter.) EPA Form 8700-22 (Rev. 9-86) Form Approved, OMB No. 2050-0039, Expires 9-30-88 TINIFORM HAZARDOUS 1. Generator's US EPA ID No. Information in the shaded areas is not required by Federal law, but is required Manifest 2. Page 1 Document No. ILD005094230 **WASTE MANIFEST** A lilihois Manifest Document Number 3. Generator's Name and Mailing Address Flexible Steel Lacing Co. 2000857 2525 Wisconsin Avenue Downers Grove, Illinois 60515 4. Generator's Phone (312-971-0150 US EPA ID Number 5. Transporter 1 Company Name C litinois transporter's ID ILD051937068 Genesolv/Baron Blakeslee D.(312456-3990 Transporter's Phone 7. Transporter 2 Company Name US EPA ID Number E Illinois Transporter's ID F. (Transporter's Phone 9. Designated Facility Name and Site Address 10. US EPA ID Number Genesolv/Baron Blakeslee 2001 N. Janice Avenue Melrose Park, Illinois 60160 ILD051937068 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers Total No. Type Quantity G a Waste E N Trichlorethylene Orma UN1710 (F001) 0.0.3 DM 0.0.1.6.5 1 F b. R T 0 R Additional Descriptions for Materials List 15. Special Handling Instructions and Additional Information 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, If I am a small quantity generator, I have made a good faith effort to minimize my waste ge<u>neration and select</u> the best waste management method that is available to me and that I can afford. Month Day Printed/Typed Name Bill Amann 0 6 11 14 18 18 Date 17. Transporter 1 Acknowledgement of Receipt of Materials Day Printed/Typed Name Signature ANSFORTER Date 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Month Day Year 19. Discrepancy Indication Space A C I Oate except as noted in item 19. 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by thi Printed/Typed Name Month Day Signature KONAUN *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS. ILLINOIS: 217 / 782-3637 OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-267

PART - 4 TRANSPORTER

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2200 CHURCHILL HOAD, SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761 1.532-0610 PO BOX 19275 (Form designed for use on eilité (12-pitch) typewriter.) EPA Form 8700-22 (Rev. 9-86) Form Approved. OMB No. 2050-0039, Expires 9-30-88 UNIFORM HAZARDOUS 1. Generator's US EPA ID No. information in the shaded areas is not Manifest 2. Page 1 Document No required by Federal law, but is required **WASTE MANIFEST** ILD005094230 by Illinois law. 3. Generator's Name and Mailing Address A.Illinois Manifest Document Number Flexible Steel Lacing Co. L 2000858 2525 Wisconsin Avenue B. Illinois Downers Grove, Illinois 60515 Generator's Generator's Phone (312-971-0150) **201413**10131010101013 5. Transporter 1 Company Name US EPA ID Number C. Illinois: Transporter's ID Genesolv/Baron Blakeslee ILD051937068 D (312)450-3900 Transporter's Phone 7. Transporter 2 Company Name US EPA ID Number E. Illinois Transporter's ID F(大的H)在视频。 Transporter's Phone G. Illnois Facility's 0,3,1,6,0,0,0,0,3,7 9. Designated Facility Name and Site Address 10. US EPA ID Number Genesolv/Baron Blakeslee H. Facility's Phone 2001 N. Janice Avenue 312) 450-3900 Melrose Park, Illinois 60160 ILD051937068 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12.Containers Total Unit Туре : Waste No. No. Quantib G EPA HW Number Waste Ε 0031 XIE OLO N Trichlorethylene Orma UN1710 (F001) 0. 0. 6 D. M. 0, 0, 3, 3, 0 0(0)00001011 Ε b. R Т 0 R Cubic Yards Special Handling Instructions and Additional Information 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes with practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes with practicable method of treatment, storage, or disposal currently available to me which minimizes with practicable method of treatment, storage, or disposal currently available to me which minimizes with practicable method of treatment, storage, or disposal currently available to me which minimizes with practicable method of treatment, storage, or disposal currently available to me which minimizes with practicable method of treatment, storage, or disposal currently available to me which minimizes with practicable method of treatment, storage, or disposal currently available to me which minimizes with practicable method of treatment, storage, or disposal currently available to me which minimizes with practicable method of treatment, storage, or disposal currently available to me which minimizes with practicable method of treatment, storage, or disposal currently available to me which minimizes with practicable method of treatment, storage, or disposal currently available to me which minimizes with the practicable method of treatment, storage, or disposal currently available to me which minimizes with the practicable method of treatment, storage, or disposal currently available to me which minimizes with the practicable method of treatment, and the practicable method of treatment, and the practicable method of treatment with the practicable method of treatment, and the practicable method of treatment with the practicable method of treatment with the practicable method of treatment with the practicable method of treatment with the practicable method of treatment with the practicable method of treatment with the practicable method of treatment with the practicable method of treatment with the practicable meth economically practicates and that it have selected the practical transfer and select future threat to human health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimize my was generator and select future threat to human health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimize my was generator and select Date the best waste management method that is available to me and that I can afford. Month Day Printed/Typed Name Bill Amann 0 9 1 4 8 8 Dete 17. Transporter 1 Acknowledgement of Receipt of Materials Month Day Printed/Typed Name 101088 Date 18. Transporter 2 Acknowledgement of Receipt of Materials Month Day Year Signature Printed/Typed Name 19. Discrepancy Indication Space Date 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by trip manifest acept as noted in item 19 Month Day

IN ILLINOIS: 217 / 782-3637 DISTRIBUTION: PART - 1 GENERATOR PART - 2 IEPA

Printed/Typed Name

*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS

Signature

OUTSIDE ILLINOIS: 800 / 424-5802 or 202 / 426-267 PART - 4 TRANSPORTER PART - 6 GENERATOR PART - 5 IEPA PART - 3 FACILITY

GENERATOR COPY — PART 1-DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.
Newled Statutes, Chapter 111% Section 21, that this information be subtricted to the Agency. Failure to provide
Faiaffication of this information may result in a fine up to \$80,000 per day of violation and imprisonment up to 5



2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 82794-9278 (217) 782-6761 P.O. BOX 19275

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PART - 4 TRANSPORTER

PART - 5 IEPA

PART - 3 FACILITY

DISTRIBUTION: FART - 1 GENERATOR PART - 2 IEPA

PART - 6 GENERATOR

2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761 PO BOX 19275 Form Approved, OMB No. 2050-0039, Expires 9-30-88 (Form designed for use on eilte (12-pitch) typewriter.) EPA Form 8700-22 (Rev. 9-86) 1. Generator's US EPA ID No. 2. Page 1 Information in the shaded areas is not UNIFORM HAZARDOUS Manifest Document Na. required by Federal law, but is required **WASTE MANIFEST** ILD005094230 by Illinois law. A. Illinois Manifest Document Number 3. Generator's Name and Mailing Address Flexible Steel Lacing Company L 2000860 2525 Wisconsin Avenue 4. Generator's Phone (312-971-0150 Downers Grove, Illinois 60515 0.41318 6 Cillinois Transporter \$10 US EPA ID Number 5. Transporter 1 Company Name D.3121450=3900 % transporters Phone ILD051937068 Genesolv/Baron Blakeslee 7. Transporter 2 Company Name 8 US EPA ID Number F(X'%) Colors of Transporters Phone G. Illinois Facility 8 20 pm 6 9 1 6 0 0 0 0 0 3 7 N. Facility 8 700 8 L G12 9/50 3900 9. Designated Facility Name and Site Address 10 US EPA ID Number Genesolv/Baron Blakeslee 2001 N. Janice Avenue ILD051937068 Melrose Park, Illinois 60160 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12.Containers Total Type Quantity G a. Waste E N Trichlorethylene Mixture ORM-A UN1710 (F001) 0.0.5 D.M 0.0.2.7.5 E b. R Δ T C. 0 R ਰ Additional Descriptions for Materials Listed Above Special Handling Instructions and Additional Information 6 1999 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is evallable to me and that I can afford. Month Day Printed/Typed Name Signature Bill Amann 0 3 2 3 8 9 17. Transporter 1 Acknowledgement of Receipt of Materials Date Printed/Typed Name Month Day 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name Signature Month Day 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Date Printed/Typed Name Month Day Year Signature

JISTRIBUTION: PART - 1 GENERATOR PART - 2 IEPA PART - 3 FACILITY

NILLINOIS: 217 / 782-3637

24 HOUR EMÉRGENCY AND SPILL ASSISTANCE NUMBERS PART - 4 TRANSPORTER

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675 PART - 5 IEPA PART - 6 GENERATOR

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LPC 62 8/81 EPA Form 8700-22 (Rev. 9-86) Form Approved, OMB No. 2050-0039, Expires 9-30-89

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	3. Generator's Name and Mailing Address	Flexible Steel Lac 2525 Wisconsin Ave		Allinois Mar	2372	9.1
	4. Generator's Phone (312-971-0150	Downers Grove, Ill	inois 60515	B. Illnois	10.2	030-111
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	Genesolv/Baron Blakeslee	ILD05193		5+4179/2	0±3000	Fahsporter's Phone
	7. Transporter 2 Company Name		ID Number	E Illinois Tran	sporter's ID	
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STATE OF ILLINOIS

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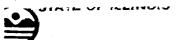
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761 P.O. BOX 19276

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PART - 6 GENERATOR

A	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest ocument No.	2. Page of	e 1 Informati required by Illinois	on in the s by Federa law.	39, Expires 9-30-89 shaded areas is not I law, but is required
	3. Generator's Name and Mailing Address	Flexible Steel Lacing 2525 Wisconsin Avenue	=		Manifest Door		imber
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1	20. Facility Owner or Operator: Certification	of receipt of hazardous materials covered by t	his manifest	except a	s noted in item	19.	Date
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H_532-0610 2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761 FEB 1 6 189 LPC 82 B/81 (Form designed for use on efite (12-pitch) typewriter.) EPA Form 8700-22 (Rev. 9-86) Form Approved, OMB No. 2050-0039, Expires 9-30-89 Information in the shaded areas is not required by Federal law, but is required UNISORM HAZARDOUS 1. Generator's US EPA ID No. Manifest 2. Page 1 Document No. ILD005094230 **WASTE MANIFEST** by Illinois law. 3. Generator's Name and Mailing Address Flexible Steel Lacing Co. 2525 Wisconsin Avenue 4. Generator's Phone (708-971-0150) Downers Grove, IL 60515 5. Transporter 1 Company Name US EPA ID Number Genesolv/Baron Blakeslee ILD051937068 8. US EPA ID Number 7, Transporter 2 Company Name 10. 9. Designated Facility Name and Site Address US EPA ID Number Genesolv/Baron Blakeslee 2001 N. Janice Avenue Melrose Park, Illinois 60160 ILD051937068 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers Type G Waste E Trichloroethylene Mixture ORM-A UN1710 (F001) N 0. 0. 6 D. M 0, 0, 3, 3, 0 E b. R τ C. 0 R ď. J. Additional Descriptions for Materials Listed Abov Special Handling Instructions and Additional Information 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this coneignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford Month Day Printed/Typed Name Signature Bill Amann 0111171910 17. Transporter 1 Acknowledgement of Receipt of Materials Date Month Day Printed/Typed Name Signature 18. Transporter 2 Acknowledgement of Receipt of Materials Date RTER Printed/Typed Name Signature Month Day Year 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Date Printed/Typed Name Month Day Signature 1213196



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PART - 6 GENERATOR

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FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND SPECIAL WASTE.

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State Form LPC 62 8/81 IL532-0610 EPA Form 8700-22 (Rev. 9-86) Form Approved. OMB No. 2050-0039, Expires 9-30-91 Information In the shaded areas is not UNIFORM HAZARDOUS 1. Generator's US EPA ID No. Manifest required by Federal law, but is required Document No. ILD005094230 **WASTE MANIFEST** by illinois law. A Illinois Manifest Document Number 3015823 MANIFEST Location If Different 3. Generator's Name and Mailing Address Flexible Steel Lacing Co. B, Illinois, 2525 Wisconsin Avenue Generator 4. Generator's Phone (708-971-0150 Downers Grove, IL 60515 5. Transporter 1 Company Name US EPA ID Number Cillinois Transporters ID ILD051937068 Genesolv/Baron Blakeslee 0.1708450\4900 patraces 9 Whole Transporter's ID 9 7. Transporter 2 Company Name Ã US EPA ID Number 9. Designated Facility Name and Site Address 10. US EPA ID Number Genesolv/Baron Blakeslee 2001 N. Janice Avenue Melrose Park, IL 60160 ILD051937068 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers Total Туре Quantity G a. 100435 E Waste N Trichloroethylene Mixture ORM-A UN1710 (F001) D M Ε b. R A Т O R d. 15. Special Handling Instructions and Additional Information 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway. according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Date Day Printed/Typed Name Month Year 3, 2, 2 , 91 Bill Amann 17. Transporter 1 Acknowledgement of Receipt of Materials Date TRANSPORTER Printed/Typed Name Signatur Month Day Year 040 301 W 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day Year ORRECTION(S) MADE PLEASE CORRECT GENERATOR COPY 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Date Printed/Typed Name Signature Month Day Year 404

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P.O. BOX 19276

, SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS INFECTIOUS AND SPECIAL WASTE.

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EPA Form 6700-22 (Rev. 9-86) (Form designed for use on elite (12-pitch) typewriter.) Form Approved, OMB No. 2050-0039, Expires 9-30-91 1. Generator's US EPA ID No UNIFORM HAZARDOUS Manifest 2. Page 1 Information in the shaded areas is not Document No. required by Federal law, but is required by Illinois law. ILD005094230 -WASTE MANIFEST Illinois Manifest Document Number MANIFEST S 2 4 FEE EXEMP Location If Different: 3. Generator's Name and Mailing Address 刊 3 3 3 1 1 Flexible Steel Lacing Co. B. Illinois 2525 Wisconsin Avenue 4. Generator's Phone (708-971-0150 Downers Grove, IL 60515 0 14 13 18 10 13 10 10 10 13 ID × 5. Transporter 1 Company Name US EPA ID Number Cullinois Transporter's ID Genesolv/Baron Blakeslee ILD051937068 D.(708) 450-3900 ⊰ Trainsporter's Phone US EPA ID Number 7. Transporter 2 Company Name Ellinos Transporter stransporter F((達)) 为多多类的 Transporter's Phone 10. US EPA ID Number 9. Designated Facility Name and Site Address Genesolv/Baron Blakeslee H Facility's Phone 3 2001 N. Janice Avenue ILD051937068 Melrose Park, IL 60160 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers Total Type Quantity Waste Trichloroethylene Mixture ORM-A UN1710 (F001) 0. 0. 6 D M 0 10 1 3 1 3 1 0 O ਰ Handling Codes for Wastes Listed In Item # 14 J. Additional Descriptions for Materials Listed with America Cubic Yards 15. Special Handling Instructions and Additional Information 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper artipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to the and that I can afford. Date Printed/Typed Name Month Day Bill Amann 0 :6 |1 |2 |9 :1 17. Transporter 1 Acknowledgement of Receipt of Materials Date nted/Typed Name_ LUCHAI VIELLA 0709 18. Transporter 2 Acknowledgement of Receipt of Materials ? Date Month Day Year Printed/Typed Name Signature 19. Discrepancy Indication Space F001 Section I RQ 100° PLEASE CORRECT GENERATOR COPY Section SecTION 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Date Printed/Typed Name Month Day Signature Year 709P.O. BOX 19276

, SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND SPECIAL WASTE.

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STATE OF ILLINOIS ENVIHUNMENTAL PHUTEUTION AGENCY DIVISION OF DAIRD FOLEO HON CONTROL

DEC 1 P.O. BOX 19276 , SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761 FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND SPECIAL WASTE.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US ILD005094	EPA ID No.	Manifest Document No.	2. Pa	required by Illino	d by Federa is law.	shaded areas is r Il law, but is requir	
3. Generator's Name and Mailing Address Flexible Steel Lacing Com 2525 Wisconsin Avenue Downers Grove, Illinois 6 4. Generator's Phone (708-971-0150	pany	n If Different:		B. Illing	is Markfest Po 3015 erators			
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FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND SPECIAL WASTE.

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Pi	EASE/TYPE (Form designed for use on elite (12-plich) typewriter.)	EPA Form 87	00-22 (1	Rev. 9-86) Fo	orm Approved, OMB	No. 2050-(0039, Expires	9-30-91
4	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US E ILD0050942	PA ID No.	M	anifest iment No.	2. Pa	ge 1 Informati required by Illinoi	by Feder	shaded are ral law, but is	
	3. Generator's Name and Mailing Address Flexible Steel Lacing Com 2525 Wisconsin Avenue Downers Grove, Illinois 6	Location	If Different:	<u> </u>		A.Illino B.Illino	3015	ument. 82.7		
	4. Generator's Phone (708-971-0150 5. Transporter 1 Company Name	6.	US EPA ID N			C.Mino	is Transporters	A50	0 13 10 1 0 - 3 - 10	1 7 3] 9
1	Genesolv/Baron Blakeslee		ILD05193706	8		D.(3),)8- 450/3/)	H ATRE	nsporter's	Phone
	7. Transporter 2 Company Name	US EPA ID N	lumber		E NICO	is Harisporters	D.	SEC.	Phône	
	9. Designated Facility Name and Site Address	10.	US EPA ID N	lumber		G.Ink				
	Genesolv/Baron Blakeslee 2001 N. Janice Avenue Melrose Park, Illinois 60	160	ILD05193706	8				136	U ERUS	91317 8124
	11. US DOT Description (Including Proper Ship	ping Name, Hazard	Class, and ID Nur	mber)	12.Conta	iners	13. Total	14.		ALC: N
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	15. Special Handling Instructions and Additional	Information		er ort						1
	Emergency Response Phone 1 708-450-7784 Fred Nelson		6 PM ·	ERE	1#7	ŧ				
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Ŧ	17. Transporter 1 Acknowledgement of Receip	t of Materials			-		_		D	ate
RA	Printed/Typed Name	,	Signature		//				Month I	Day Year
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ò	18. Transporter 2 Acknowledgement of Receip	t of Materials							D	ate
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İ	20. Facility Owner or Operator: Certification of Printed/Typed Name	receipt of nazardou	Cina et una			7	as noted in item	19.		ate Day Yea
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P.O. BOX 19276

, SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

State Form LPC 62 8/81 IL532-0610

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND SPECIAL WASTE.

EPA Form 8700-22 (Rev. 9-86) (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039, Expires EASE TYPE HAIFORM HAZARDOUS 1. Generator's US EPA ID No. Manifest 2. Page 1 Information in the shaded areas is not Document No. required by Federal law, but is required ILD005094230 **WASTE MANIFEST** by Illinois law. A.Illinois Mapifest Document Number MANIFEST HE OF TOO TO THE EXEMPT 3. Generator's Name and Mailing Address Location If Different: Flexible Steel Lacing Company 2525 Wisconsin Avenue Downers Grove, Illinois 60515 4. Generator's Phone (708-971-0150 6. US EPA ID Number 5. Transporter 1 Company Name C. Illinois Transporters ID D.(708) 222 363 Curansporter s Prone Genesolv/Baron Blakeslee ILD051937068 7. Transporter 2 Company Name 8. US EPA ID Number Ellinete Transportere ID No. 1612 F (#)) - Section Transport 9. Designated Facility Name and Site Address US EPA ID Number Genesolv/Baron Blakeslee 2001 N. Janice Avenue ILD051937068 Melrose Park, Illinois 60160 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12.Containers 13 Total Type No. Quantity a. E Waste 00325 Trichloroethylene Mixture ORM-A UN1710 (F001) RQ(100) #0.0.6 D.M 0.0.3.3 0 CORRECTION(S) MADE d. PLEASE CORRECT GENERATOR COPY Additional Descriptions for Materials Listed Above 15. Special Handling Instructions and Additional Information Emergency Response Phone Number 708-222-3892 Fred Nelson 7:00 - 3:30 PM ERG#74 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Printed/Typed Name Month Day Signatur Bill Amann 0 8 2 4 9 2 17. Transporter 1 Acknowledgement of Receipt of Materials Date Inted/Typed Name Month Dav Year 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name Signature Month Day Year R 19. Discrepancy Indication Space New Phone #. 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Date Printed/Typed Name Month Day Year STEVEN 0903

P.O. BOX 19276

, SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS AND SPECIAL WASTE.

State Form LPC 62 8/81 IL532-0610 Form Approved. OMB No. 2050-0039, Expires 9-30-91 (Form designed for use on elite (12-pitch) typewriter.) EPA Form 8700-22 (Rev. 9-86) UNIFORM HAZARDOUS Manifest 2. Page 1 Information in the shaded areas is not 1. Generator's US EPA ID No. Document No required by Federal law, but is required ILD005094230 **WASTE MANIFEST** by Illinois few. A filmois Menteet Document Number 3. Generator's Name and Mailing Address Location If Different: Flexible Steel Lacing Company B. filinois 2525 Wisconsin Avenue Downers Grove, Illinois 60515 4. Generators Phone (Generators 5 #708-971-0150 5. Transporter 1 Company Name US EPA ID Number C Illinois Transporter a 10 16 ILD051937068 D. 708222-3891 Taris Genesolv/Baron Blakeslee E Illinois Transporter all 18 7. Transporter 2 Company Name 8. US EPA ID Number 9. Designated Facility Name and Site Address 10 US EPA ID Number Genesolv/Baron Blakeslee 2001 N. Janice Avenue Melrose Park, Illinois 60160 ILD051937068 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12 Containers Total No. Type Quantity G a. Waste Ε 0.0, 2, 7, 5 Trichloroethylene Mixture ORM-A UN1710 (F001) RQ(100) 0 0 5 DM 1 F b. R C. d. J. Additional Descriptions for Materials Listed 15. Special Handling Instructions and Additional Information Emergency Response Phone Number 708-222-3892 Fred Nelson 7:00 - 3:30 PM ERG#74 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and tolidity of wasts generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Date Year Printed/Typed Name Signature Month Day 111792 Bill Amann 17. Transporter 1 Acknowledgement of Receipt of Materials Date Day Year 18. Transporter 2 Acknowledgement of Receipt of Materials Date Month Day Year Printed/Typed Name Signature Discrepancy Indication Space -20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Date Year Printed/Typed Name Month Day Signature 111992